

them too, as I am rather  
interested in that group  
too?

I have amassed large  
numbers of Orchid speci-  
mens and will be able  
to let you have several  
hundreds of numbers and  
species. Perhaps it will  
surprise you when I write  
that I got about 100 new  
*Dendrobium*s and about  
150 new *Pulleyphyllum*s, but  
it is so. The results of  
this my collection will be  
rather a surprise to bot-  
anists. Of all species  
collected I have made an  
analytical drawing from  
living flowers.

Bulu, Feb. 2<sup>nd</sup>. 1909  
Recd April 10, 1909.

Dear Mr. Aures!

I was very glad to receive  
your letter from Nov. 20. 1908.  
It reached when I was just  
returning from a trip into  
the Finistère-Mtg. from where  
I brought again a number  
of new and rare Orchids.

With great interest I noted  
your view on the *Gollogymine*  
of *Spicer* or rather *Kraunklin*,  
it <sup>is</sup> utterly congruous with  
my own and I am sure  
with the one of most orchid-  
logists. Of course I read  
every line of it and by  
reading the foreword I thought



at once, that something  
was not quite right about  
these two plants of yours  
and the changing of all the  
*Dendrochilum* names before  
they even had been published.

I dare say, you will quite  
understand now too, that  
I am so often or rather  
constantly in dispute with  
this gentleman, who is  
working at the same place,  
Berlin, where of course I  
cannot help stumbling  
allmost daily across some  
remarkable blunders, he is  
constantly making. For in-  
stance once I found a sheet  
in the Berlin Herbarium, which  
he had determined on *Eulophia*  
*galloloides* for a species he had

described some years before)  
and is really was - not to  
shoot out all but the common  
*Gynostemum coriifolium* from  
Africa. Finet in Paris

some years ago said to  
me "He ought to be forbidden  
to do botanical work"

I wonder what his mono-  
graph of *Dendrobium* will  
be like, which is to appear  
soon. But enough about  
him now.

I should be very pleased  
to accept Chinese Orchids  
(of Wilson) in exchange  
for specimens from here,  
perhaps you could arrange  
too that I can get dupli-  
cates of Primulaceae from



anything new from  
Mexico of late? For some  
time he was mostly offering  
the same species. I wish  
some American collectors  
would go to Venezuela  
and Colombia, there would  
be a fine harvest to be  
got. Perhaps they are lea-  
ving it to me yet.

Hoping to hear from  
you again I am -

yours sincerely  
R. Schlechter.

Friedrich-Wilhelmshafen  
German-New Guinea.

P. S. Best thanks for the  
Icnes II, I hope they reached  
Germany well.

If ever you visit Berlin  
when I am there, you will  
most probably be astonished  
to find there in my posses-  
sion an Orchid-Herbarium  
which as to number of speci-  
mens and condition of  
them especially can well  
rival with those of big  
public institutions, as  
from all my travels  
I have brought drawings  
of nearly all species I  
got hold of.

As I got most old world  
countries pretty well repre-  
sented now in my herbarium  
I am very anxious to get  
especially Tropical-Ameri-  
can species and am very

to enclose a little account of an orchidarium apparatus from



pleased to exchange  
with you any material  
you can spare from  
Central- and South-<sup>Am</sup>-  
rica as well as the West-  
Indies. I suppose espe-  
cially the latter will be  
well represented in your  
collection.

I suppose you know  
that Cogniaux is monog-  
raphing the West-Indian  
Orchids at present.

Perhaps after a few  
years I will make a trip  
to Tropical America my-  
self to get things better  
from there. However this  
is not quite certain yet.

For specialists or larger  
perbarrion, who can offer  
me an equivalent in ex-  
change I will have, I expect  
about 500 species to exchange  
from here. I got all ready  
several offers, but I wish  
to exchange against  
Orchids, Acoelids, Tricu-  
latae, Parmulariaceae and  
Trisoriaceae only, as  
otherwise it is difficult  
to get Orchids in return,  
as most collector do not  
care to dry many speci-  
mens on account of their  
difficulties in doing so.

Has Pringle brought



I got quite a number of  
new genera from here again  
too. The Glomerinae are  
represented in some remar-  
kable forms.

What do you think of  
the *Loelogyinae* by Pittier  
& Wroincelin? It is a pity  
that several species were  
overlooked and some of  
the drawings are not good  
and even wrong. It ought  
not to have been published  
in that state.

Hoping to hear from you  
after some time I remain

Sincerely yours

Dr. R. Schlechter

Address until } Stephensort  
further notice } German New-Guinea.

Camp on the Houri-Mts.  
Aug. 3<sup>rd</sup> 1908.

Dear Mr. Cakes Jones!

It is with great interest  
that I read your paper on  
the Orchids of the Mount  
Halcon in the Philippines,  
of which Mr. Merrill has  
been kind enough to send  
me a copy.

I am here in German New-  
Guinea now in a country  
with a similar flora and  
so Orchids not at all un-  
like the Philippines. But  
the number of species is  
simply incredible here,



especially of the *Dendrobium*  
and *Bulbophyllum*. I am  
collecting largely so as  
to be able to exchange  
later on against Orchids  
of different countries.

It will interest you to  
hear that I found too  
a new species of *Dendrochi-  
lum* (*D. Nativum*) (*populaceum*  
*Ichlt. n. sp.*) which is somewhat  
allied to my *Dendrochilum*  
*formosanum* Ichlt. (formerly  
described as *Nativum*.) This  
extends the area of the genus  
rather considerably to the  
east.

Have you published all-  
ready your paper on the

North-American *Habenarias*  
or rather *Hatantheras*? That  
should be a most useful work.

I dare say I will be able  
to let you have a rather  
large number of Orchid-  
specimens from here after  
my return to Europe and  
hope that you will have  
to offer some Orchid-ma-  
terial from Tropical-Ame-  
rica in return or perhaps  
the West-Indies? Perhaps  
I will visit some more  
of the Pacific-Islands  
but that depends upon  
the time that will be  
left to me after I have  
finished my work here.



Berlin, Aug. 19<sup>th</sup> 1910.

little more time. If I remember  
right you told me, that you  
have put aside for me some things  
from West-Indies and China.

Those I will be very glad to receive  
now, any time you can send  
them along. I would be very glad  
too to get copies of your later  
publications and will shortly  
send you some of mine in return.

Could you get me the *Primula*  
*cleae* and *Stacyantheae* of the  
last Wilson-collections for de-  
terminations? I am interested  
too in these orders. Shortly I will  
be able to write you a longer  
letter. With best compliments

Yours sincerely

R. Schlechter,

Berlin W. Neue Bismarckstr. 5<sup>a</sup>

Dear Mr. Ames!

Now, since I am about a  
month at home again, I slow-  
ly start to take up my regu-  
lar correspondence, therefore you  
must excuse, that I have not  
written before.

The result of my last expeditions  
will, I am sure rather surprise  
you; I got about 1500 new species  
of Orchids and immense mate-  
rial for exchange, which I will  
send out as soon as I find a



Berlin, 12. September 1910.

Dear Mr. Ames:

Many thanks for your two kind letters from the 24<sup>th</sup> and 31<sup>st</sup> of August. I will indeed be very glad to receive the papers, books and specimens and will send you in return some of my own publications and some of the duplicate-specimens, as soon as I sort with their distribution. The first lot you will get, will contain *Sumatra-Orchids* some of which I am sure will interest you much, as there is some affinity with *Philippine-Orchids*. For instance I will be able to send you two new species of *Dendrochilum*.

I intended to give out my Orchid-duplicates as much as possible in exchange, but somehow we will be able to make arrangements between ourselves. Would it not be possible for you for instance to get me a set of the West-Indian Orchids? I got nearly next to nothing of these in my herbarium. There are now quite a lot of your countrymen collecting on these islands, and I am sure you would be able to get me some material from there.

I am very curious to see, what *Vincularius* Monograph of *Dendrobium* will be like, from what I see in the Berlin Herbarium in the way of his determinations there will be quite a lot of ridiculousness in it and this work will <sup>be</sup> the crown of foolishness of a man, who really



has not given a single usable  
work to science in spite of his long  
years of work. Sometimes it all  
most appears to me as if he is  
not actually determining his  
plants but rapping their <sup>names</sup> out.

I have just worked through the  
German Orchids and there I found  
that out of 25 determinations he  
made, 19 are wrong and I correct.  
Quite a good percentage, is it not?

I can really not understand Engler  
that he allows him to do any work  
for the "Pflanzenreich". These publi-  
cations of Krieger will yet bring  
the whole "Pflanzenreich" in discredit.  
All botanists should oppose to  
his cooperation.

The gardeners here now hardly

send him any Orchids more for de-  
termination, because they see themselves  
they cannot rely on his names.

By the way cannot you perhaps  
send me a sketch or life-size photo  
of the *Pygmaea affinis* Austin, if  
there is no specimen to be got? I am  
rather interested in this group of  
*Pygmaea* and would be glad to get  
any material of the *P. americana*  
*Pygmaea* (especially the *P. flexilis*)

With best compliments

Yours sincerely

R. Schlechter.



BERLIN-SCHÖNEBERG  
NEUE CULMSTR. 5A.

7. Nov. 1910.

good things for. Unfortunately  
of the specimens in your last parcel  
there were only 6 which represent  
new species ~~for~~ new to my her-  
barium. Of the West-Indies I got  
very little material, but of course  
the common things like *Epidendrum*  
*ciliare* L., *E. coelestinum* L. and such  
like are hardly worth sending  
any more. Have you no material  
of *Plenochallis*, *Heliconia*, *Tetramora*  
*Lepanthes*, *Maxillaria* to spare?  
I take of course anything even  
if it is common, but there must  
be not too much of the same  
stuff. You can be sure to receive  
from me many a good ~~new~~ and  
rare plant yet. Of course I do  
not consider these 6 specimens  
an equivalent for your things.  
You are to get more yet, that  
is for sure for each number one  
from me in return. It is on  
this basis that I exchange  
with New, Paris, Manila, Berlin,

Dear Mr. Sures!

You must excuse, that on account  
of too much work I have not as-  
serted you sooner and acknowledged  
the receipt of your books and  
the parcel with the specimens.

You are now dispatching a parcel  
containing 61 species of Orchids  
for your herbarium. I am sure  
that the greater part of them  
will be new to your herbarium.  
The Orchids, I sent, are with  
3-5 exceptions from Yunnan.  
In a month or two I hope to  
dispatch the first lot of the  
New-Guinea-duplicates. But  
I sincerely hope, that I will  
get from you in future some



2009 and other instabilities.  
What about the Wilson-Pringle  
herbar? Is there any material  
to be got up from them? Would it  
suit you if I send you all list  
of my observations of it with American  
Pringlean? Perhaps you may  
be able to get me specimens of  
some of them? For the parts  
of your Orchidaceae, which you  
so kindly sent me, I will gladly  
send you some Orchids too in  
return. Your three four volumes  
I have often ~~the~~ used lately, and  
I find them very handy and use-  
ful. I make you my compliments  
on this careful piece of work  
you have done.

I will send you a sketch and  
where it is possible a flower of  
the *Dendrobium*, I have described.  
I have been so overburdened  
lately with work otherwise

I would have done it all ready.  
Your *Dendrobium venustum*  
is identical with my *Platylinis*  
*microchila* which I have changed all  
ready into *D. microchilum*, in  
a work which will appear soon in  
Engl. Jahrb. I enclose in this letter  
a flower of a new *Dendrobium*,  
which I have published in Fiedler-  
Repertorium. The plant is closely  
allied to the one you suggested  
to be *D. magnum*, but which <sup>I would</sup> rather  
take to be a new species.

It will interest you to hear, that  
your *Thurallia hieroglyphica* turned  
lately up here in an Orchid-import  
from Mexico and was sent to me  
for determination.

In a day or two I will send you  
some of my publications, that have  
lately appeared. *Kroinalis*, chorograph  
of *Dendrobium* is supposed to come out  
in about one week.

With best compliments

Yours sincerely  
R. Schlechter.

Of *Dendrobium Westeri* Schlecht. a most distinct  
species, I might be able to send you a bulb with  
leaf, but I got only one flower.



November 21, 1910.

Dear dr. Schlechter: Your letter of November 7th. has just come. I am sorry that there <sup>were</sup> not more desirable things among the specimens recently sent to you. I understood that you wanted West Indian orchids from different localities and on this account I included species which you might already possess.

I am glad to hear your views regarding dendrochilum venustum. You will see in my second volume of Orchidaceae that I suspected ~~that~~ there was close relationship between my species and your dendrochilum microchilum (See page 87 where the combination d. microchilum is properly made). I refrained from publishing my material under the name you gave as I could not make absolutely sure of the characters assigned in your description. Unless the species of Acrostichum are minutely described and figured it is quite impossible to identify them with certainty from literature.

I am doing what I can to help you with material of Primulaceae. As Wilson confined his attention to trees during his expedition to China it is not likely that much can be expected from his collections. The orchids <sup>are</sup> a special effort for my benefit. If I succeed in supplying some of your desiderata I hope you will send me orchids in return, as I am not interested in other parts from the East.

I am very anxious to receive dr. Kraenzlin's monograph. It should give us a working basis, even if it is not exceptionally creditable.

I wish I could supply you with species of Platanthallis, Stelis and kindred genera, but as a rule my material is not divisible, and usually consists of specimens submitted for identification. It is not unlikely, however, that I shall receive collections in the near future which will make exchange possible. When I do I shall of course keep you in mind and share specimens as far as possible.

I am pleased to know that you find my books useful. If you detect errors pray let me know of them.

Yours sincerely  
Oakes Ames



November 23., 1910.

Dear Dr. Schlechter:

I have already written to a number of my friends in different parts of the country asking them to send me species of Primulaceae. I have every reason to believe that some of them will be able to supply some of your desiderata. Professor Sargent has not yet answered my letter regarding Chinese material, but I am sure he will do all he can to help.

In a few days I shall have a drawing of *Pogonia affinis* for you. If there are other species of which you want sketches please let me know as I shall be glad to help you in every way I can.

Yours sincerely,

*Edwin Rees*



NOVEMBER 27, 1900

My dear Dr. Schlechter:

I am sorry to report that I have had very poor luck in securing for you specimens of Primulaceae. Prof. Sargent writes that Wilson collected no herbarium material of this group in China for the Arnold Arboretum and that the sets prepared in the earlier expeditions are preserved at Kew and Hamburg.

I expected to help you obtain specimens of several of your desiderata through Dr. Britton of the New York Botanical Garden, but he informs me that there are no duplicates. I have one more correspondent to hear from, but I am not anticipating favorable results. These negative results will not interest you, but they prove that I have at least made efforts to assist you in your work.

I have not yet received the material promised in your last letter.

Yours sincerely,



start for sent out in the course  
of January or February. I have just  
finished numbering my New-Guinea-  
plants, they are nearly 5000 numbers,  
the half of which Orchids and many  
thousands of duplicates.

I will of course reserve you a good  
set and hope that somehow you  
might be able to arrange to get  
some things for exchange. I do not  
care to sell these Orchid-duplicates,  
but specially wish to enlarge my  
Orchid-herbarium by exchange.

Besides Orchids I will take in  
exchange any Stoelepiadaceae, Tri-  
mulariaceae, Burmanniaceae and  
Ternstroemiaceae. For other orders I do  
not care.

You wrote to me, that there are some  
duplicates of Wilsons Chinese Orchids.  
I hope you will be kind enough to  
put some of these aside for me.

I am very keen on any material  
of from Central- or South-America,  
as these countries are not well re-

BERLIN-SCHÖNEBERG  
NEUE CULMSTR. 5A.

2. Dec. 1910.

Dear Mr. Ames:

Best thanks for your letter from  
Nov. 21, which reached me to-day.  
You will by this time have received  
Kronkalis Dendrobium-monograph,  
and see what it is like. It has  
muddled up the sections most fright-  
fully and the species even more so.

I have just finished sorting out  
some of my African duplicates and  
will send you a set of them, as I do  
not know what I have sent before  
to you, but I am sure any of these  
that may be duplicates for you, you  
will easily be able to exchange  
against other material, and I  
rather like to send them as I am  
sure you will find some inter-  
esting things amongst them  
at least.

The New-Guinea Orchids I will



presented in my herbarium.

I take cultivated specimens  
from any of these orders.

You will understand how  
much I am getting when I tell  
you that since June of this  
year I got about 5000 sheets  
of Orchids mounted for my  
Herbarium, which is, I am sure,  
now the biggest private Orchid-  
Herbarium in existence. Of  
course I get quite a lot from  
our gardeners here for determi-  
nation, but besides through  
exchange I have received a  
great number from the extra-  
European Herbaria.

By the way in my next par-  
cel I will include for a num-  
ber of Ceylon - Orchids. I had a  
collector there for a few weeks,  
but the results were in rather

bad proportions to the costs.

I am sure, we will be able to  
help ourselves mutually in our  
exchange too. I have good  
relations to the old-world-  
countries and can get Orchids  
from there for you, whereas you  
can perhaps get me New-World-  
Orchids.

Yours sincerely

R. Schlechter.



NORTH EASTON , MASS.

DECEMBER 4, 1910.

My dear Dr. Schlechter:

The promised package of orchids has arrived and I take this opportunity to thank you for them most sincerely. Many of the species are additions to my collection and are on that account doubly welcome. I hope I can send you soon a good representation of West Indian material. I am sorry that you insist on holding me to exchange relations as I am wholly unable to secure material in sufficient quantity or of good enough quality to suit your conditions. Will you not entertain the thought of selling me a set of your orchids?

I have just received Dr. Kranzlin's monograph of *Dendrobium*. I have not yet put it to the test, but in several places I have detected errors which are unpardonable and in every way avoidable. His intimation that I am unacquainted with the section *Aporum* is based on animosity stimulated by my bitter attack on him after his violation of my confidence. When a man of science allows personal affairs to influence his conclusions regarding scientific matters he is in a realm of danger. I hope the monograph proves to be a valuable and trustworthy aid and that our fears for it are not well founded. I shall make it my duty to tabulate the errors I discover regarding Philippine *Dendrobiums* and I shall send you my list when it is completed.

I am very anxious to see the species of *Dendrochilum* which you have mentioned as a contribution to my herbarium.

Yours sincerely,



December 19th, 1910.

My dear Dr. Schlechter:-

Your letter of Dec. 2nd has just come. I have already written to say that Fr. Kraenzlin's monograph is at hand. I have found many inconsistencies in it which I am at a loss to explain. The species seem to be distributed among the sections in many cases with a total disregard of affinity, so that I feel it is rather a badly arranged catalogue than a well coordinated treatment. One can not depend on the keys and as the species are not always in their proper sections one can not search through the sections with a feeling of finality.

I note what you say about the size of your herbarium. You may be interested to know that my herbarium, excluding drawings and photographs of types, numbers over 12,000 specimens. My library which is devoted chiefly to literature on orchids is at present in excess of 8,000 volumes.

It is my intention to arrange for an expedition to Central America and if I am successful I shall be in a position to send you material sometime in the future. I am also contemplating an expedition to Borneo. As a result I ought to be able to secure some of your duplicates by exchange before very long.

Yours sincerely,

*Carl D. C. Schlechter*



18. Febr. 1911.

hand. As he has a very strong personal feeling against me as his rival here in Berlin, he has tried to reduce as many of my species as possible without seeing even material, and I am convinced, often perhaps against his own conviction. The man really ought not to be allowed to meddle any more with Ichthyology and I wish somebody should criticize his monograph in a way, that every body would feel convinced about its uselessness.

Now he is trying to mix up all the *Erios* and from the determinations I have seen all ready he will succeed very well.

Please let me know what number

Dear Mr. Stiles:

Shortly I will be able to send you the first instalment of New-Guinea-Ichthids which are going to be distributed as I go on describing and working up the materials. I hope you do not forget me in trying to get me some American material, especially from the West-Indies and so on.

As to *Trinitatis*, Monograph of *Dendrobium*, it is about the worst work of this kind that I have ever got into my

bers of my "Orchidaceae novae  
et criticae" ~~you~~ or any of my  
other Orchid-publications  
you have not ~~got~~ yet. I will  
then send them to you.

I will shortly send you  
a number of some remarks  
respecting some Philippine-  
Orchids, perhaps they may be  
of use to you.

With best compliments

Yours sincerely  
Fried. Schlechter.



October 8th, 1911.

My dear Dr. Schlechter:

You must excuse me for having remained silent for such a long time. Beginning in February I had a task to perform which necessitated unusual concentration on subjects outside the realms of botany and it is only now that I feel that I can again take up the threads of botanical work and discharge my obligations to you and to other good people. Some time ago I promised to prepare for you a drawing of Pogonia affinis. In a few days from now I shall have this ready for you. My own specimen is a fruiting one collected in 1861 by Austin. This species is one of the rarest of New England orchids and I fear that I shall be unable to procure material for you until some collector finds duplicates.

I have not yet received the specimens promised in your letter of December 2nd, 1910, but I suppose you have been too busy to attend to me. I can offer in exchange one of the sets of duplicates from the Philippines which Mr. Weber is preparing for me. I can also send you a duplicate set of Father Vanoverbergh's orchids which he is collecting for me in Bontoc Subprovince, Luzon. Vanoverbergh's material is beautifully prepared and I think you will welcome it. Undoubtedly some of the species will be duplicates of those which you have already received in exchange from the Bureau of Science, but I am sure you will be willing to take chances on the understanding that the material is unusually good and very sure to supplement in a desirable manner the collections which you already have. As both the Vanoverbergh and Weber are collecting orchids specially for me and as I am making up sets of the specimens they send in I think it will be to your advantage to set aside for me some of your desirable duplicates. Weber is collecting where ever the prospects are good and is in a general way under the supervision of Mr. Merrill. This is the first time that collectors have spent special attention to Orchidaceae since the American occupation of the Philippines. The distributions from the Bureau of Science have simply included orchids which were picked up in an off hand manner. The Weber and Vanoverbergh material is wholly at my disposal. I expect in a short time to have collectors in the West Indies and in tropical America.

Are you going to send me *Die Orchideen von Neu-Guinea*? I wish you would keep me supplied with separates of your orchid publications. I am always glad to send you my humble contributions.

Hoping to receive a package from you very soon,  
Yours sincerely,

P.S. I feel that the Philippine orchids I offer you will be acceptable when I assure you that the distributions from the Bureau of Science were limited in the number of this group. A large per cent of the orchids were not collected in duplicate, and in many cases his specimens only. Naturally, in such cases, the only duplicate remains with me.

(A)

18. Oct. 1911.

The plants grow and so on.

The second part has appeared  
now too and the third is in  
print.

When do you expect to bring out  
again a new volume of your  
*Orchidaceae*? I expect there will  
be again heaps of your novelties.  
By the way, often I see that you  
identify Philippine species with  
Java ones. I am sure, in most  
cases you will see, that after  
all they are distinct. I am afraid  
often your comparing material  
is not good or wanting. If you  
have any doubtful ones I will  
gladly help a little. You will  
have seen that in a few cases  
I have already corrected the  
things, that is to say, as far

My dear Dr. Ames!

Many thanks for your kind letter  
which I received yesterday. I feel  
myself quite guilty for not ha-  
ving written to you for such a  
long time, but really I was my-  
self overburdened with work and  
then for nearly three months have  
been away from Berlin, partly  
in London and Paris and partly  
for recreation on the seashore.

I am afraid now, that I have  
made a mistake with the Java  
- Orchids, which I wanted to  
send to you. By my correspondence  
I see now that I have sent twice  
this lot to Mr. Merrill. I was  
under the impression that I had



sent them off to you and not  
yet to Mr. Merrill. So if you  
will write to Mr. Merrill about  
it, if you should not have re-  
ceived them yet (I mean the  
set of Sumatran Orchids) I am  
sure he will let you have these  
as they will be duplicates for  
them, and he is sure to get  
any amount of others yet from  
me.

I will shortly distribute my  
Celebes-Orchids and will then send  
you one of the best sets. In re-  
turn I will gladly receive  
any of the Philippine Orchids  
you offered me from Weber's and  
Fischer Vanoverbergh's collecting.  
Of course I will be very anxious  
not to get any Central or Tropical

American Orchids. Do not forget  
please too, that I am always  
desirous to get Strepitaceae  
and Primulaceae, if ever you  
get a chance to get anything  
in that line for me.

Of course you will get a copy  
of my "Orchideen von Deutsch-Neu-  
Guinea" but I would be very  
thankful if you would review  
the book in one or two of the  
chief American botanical and  
growing journals. We are very  
badly in need of subscribers and  
perhaps you may be able to help  
me there a little by recommending  
the work. It will be useful to  
gardeners too, because I have  
given lots of notes about the  
natural conditions under which

as my opinion goes.

What about the Chinese Orchids of Wilson? I think you have some novelties there too and you would about a few duplicates for me. I got some interesting South-American things lately, but unfortunately no duplicates except perhaps in a very few cases.

I have described lately several hundreds of new Orchids and only wish I could see an end to the novelties coming in. Sometimes one is glad to get hold again of a little known species of Reichenbach; like for instance I got the other day *Encyclium*



on the 1st of Feb. A few days ago  
I got two or three inflorescences  
of *Endosetum integrum*,  
said to have been imported  
from Honduras, do you know  
this plant?

As to exchange generally  
you can expect from me yet  
quite heaps of material, only  
I must get first through a cer-  
tain amount of work to find  
the time for their distribution.

Hoping to hear soon from  
you again

Very sincerely Yours

R. Schlechter.

16. March 1912.

Indien - Orchids, especially from  
Santo-Domingo, since Boguniaux  
has given up this group for  
me.

As for Heft I. of my Orch. von  
Sich. Neu-Guin. I have spoken  
for Fiedle, have you now receiv-  
ed it? If not please let me  
know.

With best compliments

Yours sincerely

R. Schlechter.

My dear Mr. Baker & Mrs. !

You must excuse my having  
been silent for such a long time.  
Work and work again has been  
my occupation as you will have  
seen by the numbers of my publi-  
cations.

You wrote to me about the  
Chinese - Orchids, which Wilson  
collected for you, and asked if  
I were willing to publish these  
jointly with you. As I am pretty  
well versed in the Orchids of



these regions I will gladly accept  
your offer. Perhaps you will  
send me a duplicate set which  
I might keep and besides the  
unique specimens (marked to be  
returned) If there are any  
novelties perhaps you would  
prefer to figure them in your  
Orchidaceae. At the same time  
I am sending you my publica-  
tion on Ferreos & Chinese Orchids.  
I have about one more decade  
of novelties ready from China.

Perhaps it will interest you  
that at last *Epidendrum gramin-  
ifolium* Kell. (Mexico) has been

up again. I have just living  
specimens before me on my writ-  
ing-table

I have not yet had time to  
start with the distribution of  
my New-Guinea-Orchids, but  
will do so as soon as I can  
clear my way a little clearer  
with the work. There is such  
an amount of material com-  
ing in from all parts, that  
it tortles all my time to get  
through it. Happily enough  
the more species one has for com-  
paring the quicker it goes.  
I am now working on New-

BERLIN-SCHÖNEBERG  
NEUE CULMSTR. 5A.

Majorenhopstr. Riga  
27. Aug. 1912.

you a parcel of Celebes-Orchids.  
I hope you have received these.  
I saw your last paper on some  
Philippine Orchids in the Philipp.  
Journal of Science. Could you  
send me a copy of it? Have  
you regularly now received  
my "Orchideen von Deutsch-West-  
Guinea"? Dr. Fedde seems to have  
been rather irregular in sending  
the parts out. Seven have appeared  
already and the eighth will  
come out on the first of October.  
What do you think of it?  
Have you seen my last divi-  
sion of *Dendrobium*? I had  
to criticize Prof. Kränke rather  
severely, but it is incredible

Dear Mr. Ames!

It is some time ago, since I have  
heard last of you and I am rather  
in debt to you in the way of  
offprints, but I have laid aside  
for you a number of them and  
will send them off when I will  
be back in Berlin in a week or  
two from here, where I am staying  
with my family for a recreation.  
Your last letters I have, as far  
as I can remember, all answered  
and some months ago I sent



I have every reason to expect you on the  
don't on North American & Exhibition.

At present I got some larger  
collection from South America  
Chadon's car and Barnes to go  
through. Besides Prof. Urban  
has asked me to do in future  
his West-Indian ones, since  
Cogniaux has given up Orchids  
and generally transferred every-  
thing to me.

I would be glad if you would  
keep in mind the list of North  
American Primulaceae - desiderata  
which I have sent to you some  
time ago.

Hoping to hear from you  
again some day, I am with  
best compliments

Yours sincerely  
R. Schlechter.

how superficially his mono-  
graph is done.

I always had hoped to  
be able to start with the  
distribution of my New-  
Guinea - Orchids, but my time  
was so fully occupied with  
publishing work, that as  
yet I did not come to them.  
But I expect a little more  
leisure during the winter  
months.

Have you received of late  
any more interesting collec-  
tions? I am rather curious  
on your publication of Chi-  
nese Orchids. I have lately  
done some work on the Forrest-  
collection from Yunnan.

I. 4. I have expected a collection of plants from the Chinese of Orchids.  
don't. Would you care for exchange from the Chinese of Orchids?

Copy

September 8, 1912.

My dear Dr. Schlecher<sup>t</sup>:

Your letter of 27th August is at hand. It is good to hear from you again and to know that you are very busy with useful and creditable work. Before everything else I must thank you for a most welcome set of Celebes orchids. On the arrival of this set I intended, on receiving an explanatory letter to write to you, but as the letter did not come, I postponed thanks, until now they must seem inordinately late. I have been setting aside for you a set of Philippine orchids. The specimens which are now named I shall send along very soon. Mr. Weber did not do very well for me, but from other collectors I have good material which you may find useful. Father Vanoverbergh is, I believe, collecting in a new locality, so that to his set it is probable that many good things will be added.

I have just returned from a vacation and just as soon as I can get settled down, I intend to take up my work energetically.

There has been some irregularity in the distribution of your publications on New Guinea, consequently I lack several parts. At the end of this letter I will give you a list of the parts now needed to complete my set. I am very favorably impressed with your treatment of this New Guinea region, although I must confess that I am sometimes amazed at the boldness of your modifications. The man who has studied a group in the field has a great advantage over one who is forced to depend on herbarium specimens.

You refer again to the Chinese orchids which Wilson collected for me. I have as yet done nothing with them, and I fear some months must pass before I can get at them. If you are working on Chinese orchids I shall be pleased to let you have a set of duplicates now of the Wilson collection, unnamed, and if you wish it, we might publish jointly anything that is new. Let me hear from you regarding this matter. Of course I do not know that there are any new species in Wilson's collection.

Regarding Primulaceae: I tried all my friends, but none of them had a scrap which would supply deficiencies in your list. I will try again, and perhaps meet with better results. I believe I wrote to you that Wilson secured nothing in China for the Arnold Arboretum which seemed likely to interest you.

I will look up my papers in the Philippine Journal of Science and send on everything which you lack.

I am sorry that Prof. Cogniaux has decided to give up his work on orchids. I have always had the highest admiration for his views. That you are to continue where he left off is good news. You will now undoubtedly have things pretty much under your control on the continent. Please keep me well supplied with your reprints!

Why do you not contribute to Engler's Pflanzenreich? I dislike very much to find fault with Kranzlin, but I can not understand why he is chosen to do critical monographic work. The monograph on Dendrobium is most disappointing! If Kranzlin<sup>ty</sup> is to set the standard for orchidology in your country posterio<sup>ly</sup>



will have good cause to wonder.

If I can find a photograph I will send it to you.

I was sorry that I could not get on to the International Horticultural Exhibition. Important business kept me at home.

On May 23 somebody called me to the telephone saying that Dr. Goldschmidt of Berlin had a letter of introduction from you and that he wanted to see my greenhouses. I was sorry to be obliged to say that I gave my orchid collection to the New York Botanical Garden and that my greenhouses had been demolished. I suggested that the collection of E. B. Dane near Boston would interest Dr. Goldschmidt, and I would have liked very much to have taken him there, in fact to do anything I could to make his visit interesting, but no address was given to me and I did not hear from Dr. Goldschmidt again.

Thanking you again for the Celebes orchids.

Yours sincerely,

Oakes Ames

April 3, 1913.

My dear Dr. Schlechter:

Under separate cover I am sending to you to-day one hundred Philippine orchids. I am sorry that the same species occurs more than once in several cases, but I have sent complete representations of Vanoverbergh's and Webers collections so far as these are ready for distribution. You will remember that I promised complete sets without regard to duplication or to the more common species. I am also sorry that I am unable to send to you a larger number of specimens at this time, but I have been so busy with outside work that I have been obliged to give up every effort to finish my studies on the different collections from which you are eventually to receive duplicates. I am already at work on another package for you which I will send on just as soon as it is big enough to be worth your attention. Undoubtedly there will be additions to your herbarium in some of the later packages if the present one is disappointing. At least the quality of the specimens is above the average.

From Wenzel who is collecting in Leyte I am receiving some interesting material and as Vanoverbergh has removed to another province in Luzon we may expect something new from him. I think Vanoverbergh is a good collector, and when he has had more experience I feel sure that he will give us very satisfactory results.

Please send me some of your material as soon as convenient. In the meantime I will do my best to supply you with another package equal to the one now on its way to you.



I intend to get out my Chinese material in a short time and I will send to you as complete a set as possible under the ~~X&M~~ terms expressed in you last letter just received.

Mrs. Ames has promised to make a drawing for you from the type of *Pogonia affinis* and I will send it along just as soon as she has finished it. I have had the borrowed specimen here for nearly a year , but always something has turned up to cause delay.

The last package of specimens you sent was most welcome.

Yours sincerely,

1<sup>st</sup> sending to Schlechter.  
100<sup>99</sup> numbers.

Sent to Berlin April 3, 1913

1	<i>Grammatophyllum Mesmerianum</i>	Weber	698
2	<i>Oberonia apocryphylla</i>	Vanoverburgh	1474
3	<i>Phreatia Vanoverburghii</i>	"	1493
4	<i>Dendrochilum tenue</i>	"	1726
5	<i>Cestichus benguetense</i>	"	1491a
6	<i>Eria ventricosa</i>	"	1520
7	<i>Dendrochilum Weberi</i>	Weber	59
8	<i>Thelymnia javanica</i>	Vanoverburgh	1357 ✓
9	<i>Dendrobium Vanoverburghii</i> nsp.	"	1345 ✓
10	<i>Liparis Forbesii</i>	"	1387 ✓
11	<i>Malaxis quadriloba</i>	"	1348 ✓
12	<i>Eria bontocensis</i>	"	1356 ✓
13	" <i>Elmeri</i>	"	1368 ✓
14	<i>Polystachya luteola</i>	"	1332 ✓
15	<i>Ceratostylis <del>luzonensis</del> Philippinensis</i>	"	1365 ✓
16	<i>Habenaria bracteata</i>	"	1359 ✓
17	<i>Spathoglottis lomentosa</i>	Weber	50 ✓
18	<i>Cestichus nertans</i>	"	70 ✓
19	" <i>Merrillii</i>	"	25 ✓
20	<i>Bulbophyllum vagans</i>	"	30 ✓
21	<i>Ceratostylis subulata</i>	"	24 ✓
22	<i>Coelogyne sparsa</i>	"	16 ✓
23	<i>Cestichus Merrillii</i>	"	2 ✓
24	<i>Dendrobium Boegrii</i> artii	"	109 ✓
25	" "	"	13 ✓
26	<i>Coelogyne asperata</i>	"	55 ✓
27	<i>Dendrochilum latifolium</i>	"	14 ✓
28	<i>Dendrobium revolutum</i>	"	116 ✓
29	<i>Dendrochilum pumilum</i>	"	22 ✓
30	<i>Dendrob. revolutum</i>	"	107 ✓
31	" <i>spurius</i>	"	31 ✓
32	<i>Dendrochilum tenellum</i>	"	18 ✓
33	<i>Cestichus philippinensis</i>	"	20 ✓
34	<i>Phreatia Vanoverburghii</i>	Vanoverburgh	1118 ✓
35	<i>Dendrobium Ramosii</i>	"	9 ✓
36	<i>Spathoglottis plicata</i>	"	110 ✓
37	<i>Habenaria petrioides</i>	"	959 ✓
38	<i>Dendrochilum tenellum</i>	"	1064 ✓
39	<i>Dendrochilum microchilum</i>	"	1017 ✓
40	<i>Cestichus Merrillii</i>	"	1244 ✓
41	<i>Habenaria falconaria</i>	"	1239 ✓
42	<i>Coelogyne sparsa</i>	"	1197 ✓



37	<i>Eulophia exaltata</i>	Vanoverburghii	1261	✓
38	<i>Cestichus benguetensis</i>	"	1291	✓
39	<i>Papilionopodium Angus</i>	"	1186	✓
40	<i>Dendrobium lutescens</i>	"	1114	✓
41	<i>Dendrobium Cebianum</i>	"	1212	✓
	<i>Spathoglottis lamiata</i>	"	1112	✓
42	<i>Pachystoma pubescens</i>	"	1102	✓
	<i>Spathoglottis plicata</i>	"	1105	✓
43	<i>Eulophia squarrosa</i>	"	1190	✓
44	<i>Acanthophippium Montinianum</i>	"	1203	✓
45	<i>Habenaria Capelandii</i>	"	1320	✓
46	<i>Spathoglottis Chrysanthra</i>	"	1211	✓
47	<i>Herminium angustifolium</i>	"	1302	✓
48	<i>Calanthe triplicata</i>	"	1228	✓
	<i>Spathoglottis lamiata</i>	"	1109	✓
49	<i>Phreatia sulcata</i>	"	1289	✓
50	<i>Phajus linearifolius</i>	"	1288	✓
51	<i>Spiranthes sinensis</i>	"	1269	✓
52	<i>Bulbophyllum Vanoverburghii</i> n. sp.	"	1867	✓
53	<i>Bulbophyllum adenopetalum</i>	"	1358	✓
54	<i>Dendrobium Sanderae</i>	"	1263	✓
55	<i>Oberonia cylindrica</i>	"	407	✓
	<i>Spathoglottis Chrysanthra</i>	"	378	✓
56	<i>Phreatia myosura</i>	"	1290a	✓
57	" <i>caulescens</i>	"	1290	✓
58	<i>Malaxis latifolia</i>	"	1351	✓
59	<i>Eria Vanoverburghii</i>	"	1347	✓
60	<i>Phalaena imbricata</i>	"	1362	✓
61	<i>Acanastylis Elmeri</i>	"	1049	✓
62	<i>Micratis unifolia</i>	"	1356	✓
63	<i>Eulophia Vanoverburghii</i>	"	1188	✓
64	<i>Ternstroemia Elmeri</i>	"	1110	✓
65	<i>Ceratostylis ramosa</i>	"	1390	✓
66	<i>Habenaria lisa</i>	"	1480	✓
	<i>Micratis unifolia</i>	"	1479	✓
	<i>Liparis Forbesii</i>	"	1478	✓
	<i>Dendrobium pumilum</i>	"	1488	✓
	<i>Phreatia caulescens</i>	"	1487	✓
	<i>Acanastylis Vanoverburghii</i>	"	1490	✓
	<i>Ceratostylis philippinensis</i>	"	1491	✓
	<i>Herminium angustifolium</i>	"	1472	✓
67	<i>Dendrobium longipicatum</i>	"	1533	✓

	<i>Calanthe hypoleuca</i>	Vanavabungh	1532	✓
68	<i>Habenaria linguata</i>	"	1525	✓
	" <i>peliodi</i>	"	1541	✓
	<i>Dendrochilum tenellum</i>	"	2220	✓
69	<i>Calanthe Elmeri</i>	"	2210	✓
	<i>Pachystoma pulchrum</i>	"	2435	✓
	<i>Dendrob. trichocarpus</i>	"	2421	✓
	"	"	2420	✓
70	<i>Dendrochilum philippinense</i>	"	1714	✓
	<i>Spathoglottis plicata</i>	"	1713	✓
	<i>Dendrobium Romanii</i>	"	2106	✓
	<i>Spathoglottis lomentosa</i>	"	1786	✓
71	<i>Papilionophyllum Haynaldianum</i>	"	1521	✓
72	<i>Dendrochilum glumaceum</i>	"	1729	✓
	" <i>longispicatum</i>	"	1790	✓
	den " <i>glumaceum</i>	"	1727	✓
73	<i>Phajus calantheoides</i>			

16

16  
42  
111  
99.



September 20, 13

Dear Dr. Schlechter:

On April 3d I sent to your address one hundred specimens of Philippine orchids. As I have not heard from you of the safe arrival of these specimens and as no reply has reached me in answer to my letter of April 3d, I feel worried to think that neither my package nor my letter came to you safely.

I have set aside for you another set of one hundred specimens. In every case I have tried to save for you duplicate material of the novelties I have recently described. I can promise you some interesting duplicates from now on as Dr. Wenzel seems to have found a rich field in Leyte.

Let me hear from you at your convenience. If you can find time to supply me with some of your good things I shall be delighted. I need all the material available from the eastern tropics as I am constantly anxious to make my comparisons as exhaustive as possible.

Yours sincerely,

October 29th, 1913

Dear Dr. Schlechter:

Under separate cover I am sending to you a sketch of Pogonia affinis. I trust that this will reach you in good condition and prove of some use to you. This sketch is from the type in the Gray Herbarium.

In exchange for this sketch can you not send me a habital drawing of your Saccolabium sarcochiloides? I also want a sketch of your Podochilus Cumingii.

What do you know about Saccolabium pumilo Reichb.f. Cleisostoma ringens Reichb. f. C. subviolaceum Reichb. f., C. vitellinum Reichb. f. and Sarcanthus striolatus Reichb. f? These are species which have perplexed me very much and of which I have been unable to locate any authentic material. If you can help me in any way to an understanding of these Philippine species I shall be more than obliged to you.

What has happened to you. I note that you are busy publishing your studies, but I want to hear from you. I also want to receive some good material for my herbarium. I am constantly putting aside specimens for you and I have nearly two hundred ready to forward to your address.

One last demand: What can you tell me about Cleisostoma chrysochilum Kranzl. If the type is available could you make a tracing for me which would help me to locate the species among the numerous Sarcantinae-Aerideae in my files of undetermined Philippine orchids?

Hoping very much to hear from you soon,  
Yours sincerely,



OAKES AMES, DIRECTOR.

BOTANIC GARDEN OF HARVARD UNIVERSITY,  
CAMBRIDGE, MASS. U.S.A.

November 5, 1913.

Dear Dr. Schlechter:

I am perplexed by a series of Philippine Dendrobium<sup>s</sup> which appear to approach your D. Usteri. Can you find time to prepare for me a tracing of your type specimens and, if not too much to ask, a drawing of a labellum? In the absence of authentic material and with only a description to assist in determination I feel that nothing can be done without your aid. I am holding my material for a paper which I intend to publish this winter so that any haste you can make in complying with my request will be regarded an unusual favor.

Yours sincerely,

(Signed) Oakes Ames

December 30, 1913.

My dear Dr. Schlechter:

Your good letter with the sketch and pseudobulb of Dendrobium Usteri brought me much pleasure. Please accept my sincere thanks for your thoughtfulness. What you say about Kränzlin is very hard to believe. That a man who has been schooled in the ethics of natural science should be so careless, especially a man of your country, surprises me. The story is told of one of our professors who, when confronted with perplexing intergrading forms which upset his theories and taxonomic keys, threw them out at the window saying "That is how we dispose of those." But to throw away specimens which should be preserved as types for the instruction of the struggling students of the future is to commit a scientific crime. We all make mistakes either through oversight or errors of judgement, but to deprive the world of the evidence against us is to admit that we care more for ourselves than for science. Pray help me if you can to secure fragments from the plants in cultivation which you know represent the types of Kränzlin's new species. I would do as much for you if the opportunity were here.

I have had in mind a letter to you regarding several homonyms which you have created in your New Guinea flora. In several genera you have among your new species used the same name twice. Perhaps you have become aware of this after seeing the printed pages, but if you have not noticed the duplications to which I refer I can have my assistant seek for them and prepare a list for you.



I am sorry that you find it necessary through pressure of work to delay the distribution of your duplicates. I need every scrap you can spare and you can not imagine how eager I am to receive the additions to my herbarium which you have promised. The other day I put in my fumigating box at least two hundred specimens which are destined for your herbarium. I shall forward these shortly after the holidays together with my Chinese orchids which you have asked to see, and duplicates of which you are to retain. I have described many new Philippine species since early autumn and in almost every case I was able to set aside a duplicate for you. Pray hasten your distribution for my sake. I know how taxing on time and patience it is to write labels and keep details straight, but we ought not to forget how important it is that co-workers should have a continual influx of material representing our views as to new species and our interpretations as to old ones. In America we are doing all in our power to assemble working collections of the great plant groups, but we are pathetically behind Europe in our herbaria of the Orchidaceae.

I have your New Guinea work complete as far as it has appeared. That is I have parts 1--10. Or to be more exact I have 800 pages of volume one. Do you not intend to publish a lucid key to unlock this monumental work? Unless you give us a key I am afraid we shall be more often perplexed than aided by your very full and detailed descriptions. It would be, indeed, a most helpful law if at some future botanical congress a rule could be made invalidating any description of a new species not accompanied by an analytical drawing. I see the end of my paper appearing and as I have already said too much I will close.

*Very faithfully yours*  
*Arthur Cronquist*

December 31, 1913.

Dear Dr. Schlechter:

I made up my mind this morning that the New Year would not find me delaying further with the Chinese orchids and, if no unforeseen obstacle prevents, 116 sheets of mounted material and 19 unmounted duplicates will be on their way to Berlin to-morrow. Among the mounted specimens I have marked several from which you are to remove specimens for your herbarium. There are nine in all, making a total of 28 duplicates for your herbarium. Should any of the mounted specimens prove to be new and no duplicates indicated I shall be glad on the return of the sheets to divide with you where there is an opportunity to remove plants or fragments. This I feel sure you will consider more than fair.

Wilson 42 mounted sheets.

" 19 unmounted duplicates.

Maire 15 mounted sheets.

Henry 54 " "

Prazer 1 " "

Ford 1 " "

Faber 1 " "

McGregor 2 mounted sheets.

For your guidance I have prepared the list which appears above. I want you to determine the species as promptly as possible. If there are any novelties I can publish them here if you do not wish to bother with writing. Let me know your wishes in the matter and I shall be pleased to cooperate with you.



I have added one Philippine orchid to the packages. Will you kindly look at this and let me hear from you your opinion of its generic status. The species is new, as I now regard it, but, I have not decided definitively as to its generic rank. Some time ago you kindly suggested that you would be pleased to give me your assistance. Here is an opportunity for you to do me a great favor. As I want to include this species in a new fascicle of Orchidaceae which is about ready for the press I am going to ask you to give me on the receipt of the specimen your undivided attention long enough to send me your opinion by return mail. With the hope that you may be saved the trouble of boiling out a flower I have included a camera lucida sketch for your use.

I want to say before closing that I have not attempted to identify any of the Chinese orchids nor to verify the names which you will find on the labels. Many of the specimens look familiar, but I have not examined them with the intention of determining their names. Undoubtedly you will find many of the species old friends. Some of the Wilson material from very high altitudes may be new.

Yours faithfully,

MANY GOOD WISHES FOR A SUCCESSFUL NEW YEAR.

Specimen of Wenzel 210 from Leyte is  
the Philippine orchid mentioned above. = Adenostylis Wenzelii Ames

Sent Schlechter (~~unmounted~~)

Mengel 210 (for his report)

list of Dupl. sent.

Wilson 1780

1777

1748

1750

1754

1773

1772

1776

1778

1779

1768 A

1768

1765

1764

1762

1761

1751

1754

1770

4 Packages sent by mail  
to R. Schlechter January 1, 1914.  
See next page for count and  
verification of count. 136  
specimens made up as follows,  
116 mounted sheets 20 unmounted  
duplicates, and one camera  
lucida drawing.  
(A)

19 Wilson duplicate  
1 Philippine

40  
53  
16  
11

Received July 15.  
Man 15  
Wilson 40,  
Henry 53  
Menge 2  
Pross 1  
Ful 1  
Tina 1

113



Wilson s.n.	(Anas hb. 11534✓)
Macgregor s.n.	( " 12284)
" s.n.	( " 12283)
Wilson 1783	( " 11501✓)
" 1782	( " 11499✓)
" 1771	— 11528✓
" 1784	— 11506✓
" 1766	— 11568✓
" 1765	— 11567✓
" <del>4718</del>	—
" 1758	— 11580✓
" 1755	— 11554✓
" 1757	— 11551✓
" 1756	— 11549✓
" 1759	— 11583✓
" 1615	— 11542✓
" 1614	— 11541✓
" 1785	— 11519✓
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" 4713	— 14323✓
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" 4709	— 14321✓
" 4710	— 14320✓
" 4711	— 14319✓
" 4712	— 14318✓
" 4713	— 14317✓

Int'd spec.  
sent to

R. Schlechter

Checked by *oc*  
 410  
 OK ~~Macgregor~~ 2✓  
 Wilson 42✓  
 OK ~~Anas~~ 15✓  
 Frager 1✓  
 OK ~~Frazer~~ 1✓  
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 Henry 54✓  
 Muntz 116✓  
 duplicates 20✓  
 Total ~~manuscripts~~ 136  
 ①'s count.  
 verified — *OK*  
 116 sheets ①

Walsen	4713.A	—	Ames	14316✓	2
"	4714	—	"	14315✓	
"	4715	—	"	14314✓	
"	4716	—	"	14313✓	
"	4717	—	"	14312✓	
"	4722	—	"	14311✓	
"	4721	—	"	14310✓	
"	4720	—	"	14309✓	
"	4719	—	"	14308✓	
"	4718	—	"	14307✓	
"	1774	—	"	11516✓	
"	1613	—	"	11540✓	
"	1763	—	"	11558✓	
"	1767	—	"	11569✓	
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"	1775	—	"	11529✓	
"	1781	—	"	11497✓	

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Maire	942	—	Ames	135-22
"	935	—	"	135-23
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"	37	—	"	135-25
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"	2620	—	"	135-29
"	2616	—	"	135-30
"	2375	—	"	135-31
"	1678	—	"	135-32
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"	1677	—	"	135-18
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Prager	102	—	"	135-26
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Faber s.n.		—	"	10806

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Henry	13066	Ames lb.	10796 ✓
"	12284 <sup>A</sup>	"	10797 ✓
"	12300	"	10798 ✓
"	13052	"	10799 ✓
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"	12086	"	10801 ✓
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"	12751 <sup>A</sup>	"	10789 ✓
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"	12966	"	10791 ✓
"	12973 <sup>C</sup>	"	10792 ✓
"	13545	"	10793 ✓
"	13581	"	10794 ✓
"	11813	"	10795 ✓
"	11092	"	10752 ✓
"	11127 <sup>B</sup>	"	10753 ✓
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"	11104 <sup>A</sup>	"	10756 ✓



Henry	11, 111	Armes	10 7 5 7 ✓
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"	11, 264	"	10 7 5 9 ✓
"	11, 121	"	10 7 6 0 ✓
"	11, 118 A	"	10 7 6 1 ✓
"	11, 091	"	10 7 6 2 ✓
"	11, 126	"	10 7 6 3 ✓
"	11, 109	"	10 7 6 4 ✓
"	11, 105 A	"	10 7 6 5 ✓
"	11, 108	"	10 7 6 6 ✓
"	11, 792 A	"	10 7 6 7 ✓
"	11, 102	"	10 7 6 8 ✓
"	11 804 A	"	10 7 6 9 ✓
"	11 119	"	10 7 7 0 ✓
"	11, 113	"	10 7 7 1 ✓
"	11 820	"	10 7 7 2 ✓
"	12 803 A	"	10 7 7 3 ✓
"	12 081	"	10 7 7 4 ✓
"	12 080 A	"	10 7 7 5 ✓
"	12 213	"	10 7 7 6 ✓
"	12 198	"	10 7 7 7 ✓
"	12 102	"	10 7 7 8 ✓
"	12 383	"	10 7 7 9 ✓

✓

26  
h

Jan. 28<sup>th</sup> 1914.

Dear Dr. Ames:

The Philippine Orchid on which you wished to hear my opinion, I send No. 210. I would regard as a species of *Renxine*. It ~~is~~ is a new one well characterized by its large flowers and stands near my *R. elatior* and *R. argentea*, both from New-Guinea. It should go in



The section Monoc-  
chilus. On the  
other plants I  
hope to be able  
to report soon.  
With best compli-  
ments yours sin-  
cerely R. Schlechter.

Postkarte

\* 6-7N t  
35

260 Beacon

Boston

Dr. Vokes Amer.

The Ames Botanical  
Instit.  
Worth-Boston Mass.

Heimath. Heide von  
Worth-Amerik.

BERLIN-SCHÖNEBERG  
NEUE CULMSTR. 5 A.

10. Mai 1914.

how well it is illustrated.

As to my work on the New-Guinea - Orchids, I hope you have received now all the 14 parts?

With this the volume is finished. Would you be kind enough to write a review on it in one of the leading American botanical periodicals, and if you could get us some more subscribers we would be indeed very thankful, because at present, besides the work I have done, I have yet to pay a good amount for the printing.

As soon as I see, that we can come out well with it, I wish

My dear Mr. Ames!

You must really pardon me, when I seem to have been a lazy letter-writer of late, but the different publications, that I have brought out, will show you that I have not been actually lazy. I am sending you now the first part of a work on Orchids, which started to appear when I had finished my Orchids of New Guinea. I hope it will give you pleasure to see



to publish the figures of the  
analyses of the different species.  
But the world cannot well ex-  
pect from me, that I am going  
to ruin myself by bringing  
out costly publications where  
I have to pay myself for each  
volume.

The new Orchid-book, called  
"Die Orchideen" is going to  
appear now in 10 parts (monthly  
one). In this book I have  
given my ideas of the Orchid-  
system and in it I have  
mentioned systematically  
every genus known until  
the end of the last year (1913).

I can hardly call the system my  
system, it is, so to say, Piters  
System more carried out (or better  
some of his errors I have tried to  
rectify, so far as my experience  
has caused me to think proper).

If all goes well, I hope to be  
able to start with the distribu-  
tion of my New-Guinea-Orchid-  
sales in the course of this summer or  
autumn. I will reserve you a very  
good set, but I hope to get really  
decent things in return.

With best compliments

Yours truly

R. Schlechter.

den 31. Aug. 1919.

Dear Dr. Ames:

At last there is chance again to communi-  
cate with foreign countries and so I will take the  
chance, to try to send you a letter.

As you will remember, I have still a lot of your  
Chinese Orchids here. The whole collection is now  
worked up and a number of novelties I have pub-  
lished under our combined authorship, as it was  
agreed to, when you sent me the collections. I have  
myself a large bulk of Eastern-Asiatic material  
and as the literature on the subject is very  
much spread, I have found myself induced to re-  
view all the Eastern-Orchid-flora. The result was  
the publication of my „Orchidologie Sino-Japanische  
Prodomus“, in which I have given a critical study  
of all the Orchids known from China, Japan, Formosa,  
Korea etc. It has come out in the middle of June,  
(320 pages) and contains a lot of new species, amongst  
them those, that I got from you and bear our united  
names. ~~During its own as I hear, that this~~



letter has reached you in safety and that I might venture to send you offerings I will forward you a copy of this work. Besides I have been bringing out during the last five ~~year~~ years a considerable amount of publications, that will interest you. For instance: "Revision of the Orchids of Mesoamerica and surrounding islands," "Orchidaceae Peruviana," II, "Versuch einer systematischen Neuordnung der afrikanischen Orchideen," "Orchidaceae Holandrae," "Kritische Aufzählung der bisher von Centralamerika bekannt gewordenen Orchideen," and a lot of other things. I expect the enumeration of the Central-American Orchids will at present interest you most. But besides there is in print a new arrangement of the Guianthinae, based on a revision of a very rich material of ~~new~~ <sup>most</sup> species and an ~~en~~ <sup>extensive</sup> enumeration of the Orchid-Flora of Venezuela, as to the two latter I have many things to say. The Guianthinae were in a horrible state and of late one never could make any allusion to affinities of the species, because everything was simply mixed up. Going back to the original generic diagnosis I found, that Guianthus, Leucomischus & Pelezia were often altogether misunderstood. I have rearranged all now, but unfortunately was compelled to make a lot of new genera.

The Orchid-flora of Venezuela is an enormous

Schriftleitung der „Orchis“

Berlin - Schöneberg

Neue Culmstr. 5a

den .....

tion of all the Orchids until now known from  
 there (a number of new species I have collected) and  
 remarks on the features of the Orchid flora. I have  
 found that such compilations are of the greatest  
 use and especially for the South-American States  
 where they were very badly needed. As I said the  
 compilation for Venezuela is in print. For Colombia,  
 Ecuador, Peru and Bolivia the manuscripts are  
 finished too and are going to be printed in  
 the course of the next months. This work has  
 very considerably widened my <sup>knowledge</sup> ~~view~~ ~~over~~ of  
 certain types, the more so, as I have used the  
 chances to study enormous materials more  
 closely. For instance, I have made during the  
 last two years exact analytical drawings of  
 about 4000 different species of Orchids, and  
 closely new ones are going to be added to this  
 number. As you see, I have used my time as  
 much as possible. The chief work, that I have  
 done is of a preparatory kind, but although



The great use is going to arise from it yet, I have been conferring to my collection of drawings daily. Very much advantage I have had too from a catalogue with complete synonymy of all Orchids that I have started some years ago and expect to be able to publish in the near future.

After the publication of the Preliminary of the Andros-statis we will have a first knowledge of the distribution of the different types, the more so, as I have been making remarks in the general part of each on the distribution of the species and the affinities of each flora.

My ambition is, to start a proper monograph of the order and as it would be great an enterprise for one man, I would much like to have a partner, whom I know to be a careful and reliable worker. To you see I have great intentions yet, but the difficulties are numerous ones too, because now here in Germany the educated people are in comparison to the costs of daily life altogether impoverished and the costs of printing have risen to about four times the costs of before the war. I <sup>obviously</sup> would best of all like to leave Germany and

or somewhere else, where one would have  
a chance to properly continue scientific work  
under more favorable circumstances. But per-  
haps things are going to develop yet again more  
favorably; Until now I can't see very bright-  
ly into the future.

As soon as I hear, that the books and papers  
are travelling well and safe again to America  
I will send you copies of all my Orchid-publica-  
tions since 1914. Have you got already my book  
"Die Orchideen"? I am not sure if I have given  
you a copy already or not?

By the way, in your last parcel with the  
Hinn-Orchids you sent me a Philippine  
Physodora-like plant, with the manuscript name  
"Adenostylis ~~hammer-brightii~~ Wenzelii" and asked,  
what I thought of it. The plant is a representative  
of a new and very distinct new genus.  
Do you care to describe it yourself or wish  
or shall we publish it together? Please let  
me know, what you think of it. In fact I very



much hope, that we will do yet a lot of work under combined authorship. I am much reckoning on you for the eventual collection on the "Folia Orchidaceae", because as such I should think it best to bring out a future Monograph of the Orchidaceae. This has the advantage that one can choose the genera as one has got material for the work.

There is one thing more. If you should have to get some things types to compare in the Herbarium Reichenbach and not care to make the long voyage to Vienna, I would eventually be able to do it for you, if you collect <sup>enough</sup> ~~the~~ specimens <sup>to compare</sup> together, so that the costs to go to Vienna from here are worth spending. It would certainly be much cheaper like this.

Prof. Dicks tells me, that they have promised you some Kuhnmann - (New-Guinea) Orchids for your Philippine ones and asked me to tell you, that we hope to be soon in a position to look some duplicates out for you.

This has now become quite a long letter, but I have such a lot to tell and ask. There is even much that I wanted to write about, but I will now close and leave the rest for my next letter.

Hoping to hear soon from you, I remain with best compliments Yours sincerely

R. Schlechter.

September 24th, 1919.

My dear Dr. Schlechter:

Your good and very welcome letter of August thirty-first reached me this morning. I was delighted to learn from it that you are still at work and that you have been busy with useful publications on the Orchidaceae. I shall be most interested to receive concrete evidence of your industry, not only for its own sake but for the help it will be to me in my investigations.

I am pleased to learn that you were able to publish some of the Chinese species and to know that you were kind enough to include me in the authorship. Of course it is a pleasure to be associated with you in the naming of new orchids although I had no right to expect that you would give me credit for taxonomic work in which I only had a hoped for part.

Now, as to the *Adenostylis*. I published this under the name *A. Wenzelii* in the fifth volume of my *Orchidaceae*. At the time I worked on this species I had very serious doubts as to its generic position. You will remember that I asked your opinion about this and that you reported to me that it belonged near your *Zeuxine elatior*. From time to time I have received additional collections of this very interesting plant and each time I have examined it I have been impressed by its distinctness from <sup>very</sup> ~~ec~~ species of *Adenostylis* known to me



I will examine my material again and if I can agree with your conclusions I will gladly join you in applying to it a new generic name. If your Zeuxine elatior and Z; argentea are allied species I imagine they would go into the new genus also.

I have several bundles of specimens that have been set aside for you for a long time. I hope it will be possible to send these to you at an early date and to receive in exchange for them some of the specimens you collected in New Guinea. I will open these bundles again and see just what they contain. You can well imagine how anxious I am to receive new material. It is a long time since I have enjoyed the inspection of orchid duplicates from your hand.

Just at present my sixth volume of Orchidaceae is going through the press. This is in large part devoted to a very notable collection of orchids from Mt. Kinabalu, British North Borneo. Over one hundred new species from the mountain make a very valuable addition to the orchids flora of Borneo. I will set aside duplicates of the species for you. I think these will be very acceptable. They ought to bring from you some good things from among your critically determined duplicates.

Your proposed undertaking of an orchid monograph appeals to me, although I have doubts as to the completion of such an undertaking. It would mean such close application and demand such an enormous amount of painstaking labor. Folia Orchidaceae would be the safest name to use for such a monograph as it would allow great elasticity and make possible a judicious selection of genera.

For my winter work I had planned to determine the Colombian collections of the U. S. National Herbarium and of the New York Botanical Garden Herbarium. I wanted to do this work in order to get my set of Lehmann orchids ready for inclusion in my herbarium. If your papers on the Colombian orchids are ready soon, please send them to me at your earliest convenience. They will save me the work of searching the literature for a list of Colombian species. I hope you have included the numbers of specimens you have examined in these lists of yours and that you worked on the Lehmann collections.

I have become very much interested in economic plants and products of late. In fact I now have a lecture course on the subject in the University. While this work consumes much of my time, I am still able to give as much attention as is good for me to the determination of orchids. If you can help me in any way to obtain economic plants and products you will confer a very great benefit on an enthusiast.

Please tell Prof. Diels that I shall be ready at any time to receive the duplicates of New Guinea orchids that were promised in exchange for the Philippine duplicates I forwarded several years ago.

I will bear your suggestion regarding the Reichenbachian Herbarium in mind. You are surely more than kind to make such ~~an~~ generous offer of your valuable time.

I will send Orchidaceae VI when it is ready for distribution.

With the best of good wishes,

*Robert Ames*



Revised at Bat Nov. 13. J. J. J. J.  
H. S.

Schriftleitung der „Orchis“

Berlin-Schöneberg

Neue Culmstr. 5a

den Octobr. 22. 1919.

My dear Dr. Ames!

Many thanks for your nice long letter. It took too 24 days untill it reached me. I hope we will soon have quicker post-communications again.

First now to answer your good letter. I am glad to hear, that you are bringing out again a new volume of your *Orchidaceae*. I have received from you the first four volumes. That a fifth has come out since then, I have read in the „Botanische Centralblatt“, but I have not seen it yet and hope to get from you a copy of this and of the sixth volume, when it has come out. Of my „*Orchidologische Lind-Japanische Protonotus*“ I will ask Prof. Fedde to forward you a copy. Of other publications you will get copies from me in the next days. They are quite a lot and I hope they may prove useful for your studies.

The *Adenostylis Wenzelii* is not related to my *Rexine elatior*. There must be a mistake

about my having reported this. I got from you  
 a specimen of the plant with your Chinese Orchids  
 shortly before the outbreak of the war. And as far  
 as I know, I have not been able to study it un-  
 till lately. However it is possible, that from a  
 sketch of the flower accompanying your specimen  
 I have suggested this relationship. Now after  
 having studied the material, I find that the plant  
 has only got one stigma. This and other characters in  
 the labellum show, that it is nearest allied to  
 the Pacific and Japanese Platyplepis-types, about  
 which whose relations to the real Platyplepis from  
 Madagascar I am not yet fully convinced. The  
 plant represents a new genus for which I propose  
 the generic name Philippinæa (being special the <sup>Philippine</sup>)  
 If you like we might publish it under combined author-  
 ship. I have got a good analytic drawing of the  
 floral parts. If you care I would copy it for publica-  
 tion in one of your Orchidaceae-volumes.

My list of Colombian-Orchids is ready for print  
 and I hope to bring the whole volume out before  
 the end of this year. The Venezuela-List is already  
 printed, and is going off to you soon. I would  
 advise you to wait with your work on the Colum-  
 bian Orchids until you have received mine. I  
 have described over 250 new Colombian-Orchids



Schriftleitung der „Orchis“

Berlin-Schöneberg

Neue Culmstr. 5a

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and 5 or 6 new genera. Quite a lot of Lehmann's things are included and the plants from the Maricao collected by H. H. Smith too. In fact I would propose you to send me the material that you have got from Lehmann. What I find new in it, we might publish again under combined authorship. I am now fairly worked in the Andean Orchids and I could do them quickly, excepting perhaps one or two very critical genera, about which I am preparing a more thorough study before I wish to take them. Like this I will be able to help you, and about the publication of the new species we might arrange in some work, that you might propose. Perhaps you can help me in another way. I have finished already the lists of the Orchids of Ecuador, of Peru and of Bolivia too, but the more we progress with the printing of the work, the more difficulties we have got to get sufficient funds for the publications together. The printing costs have risen to about five times the amount, ~~of~~ one had to pay in 1914. Could you not perhaps interest some of the botanical

circles in your country, that they might supply us with sufficient funds by subscribing for the publication of these Lists? I am sure, that they will be very welcome and useful especially to the botanists of your country. These Lists are going to be published in five parts under the title "Die Orchideenflora der südamerikanischen Gordillereinstatten? I. Venezuela, II. Colombia, III. Ecuador, IV. Peru, V. Bolivia. Each part appears separately, I. about 100 pages II. about 350 pages, III & IV. each about 200 pages and V. 100 pages print. I would be glad, if you could do something in the way to forward the publication.

You write, that you have become much interested in the economic plants. I think we could send you a good lot of material, perhaps as a partly exchange for your Orchids, that you have given to the Berlin-Herbarium. The Ledeburn-Orchid-duplicates will be reserved for you beside, but there is little else to give. As you know Orchids are generally collected rather scantily.

My New-Guinea-Orchids I will soon distribute and I will certainly not forget you. As you know I have always reserved a good set for you from all my other distributions.



The Turner-Orchids will certainly interest me very much and I hope, that you will reserve me a good set in exchange for New-Guinea-Orchids. Of the Orchids of Mr. Wenzel I hope to get from you yet some duplicates too.

As to the proposed Folio Orchidaceen I will explain to you yet more fully my plans at a later date. First I got a lot of different publications yet under my hands, but when I have finished these, I hope to start and I hope to start the publication with you. How far we can finish it, is a question of the future, but you can reckon on me, that I will gladly do my share of it. The plan of the „Folio“ allows us to take any genus as it seems convenient. The future will bring us the others nearer and nearer, that these too won't offer too many difficulties. I very much hope to be able to start with this work next year already. The material that I have accumulated is already a very good one. Of many genera I have made analytical drawings of nearly every species already. The amount of

such analytical drawings in my herbarium will be already over 600, each representing a different species. Last ~~year~~<sup>year</sup> alone I have finished over 150 drawings of this kind. This has furnished me with a material of some extent, which is quite unique.

When my revision of the *Epimithineae* will appear next, you will see, that they won't offer any more or many difficulties. I feel convinced, that the different types are now uniformly brought together. I had to make a lot of new genera; but the more I analyse the more I see, that many of the large genera are only so badly limited, because too many aberrant forms have been merged into them, generally only, because one hesitated to separate them as often quite well defined genera.

This has become again a long letter, but such a lot of things have accumulated about which I wished to talk with you. My opponents I will start to send at intervals, beginning with the next week.

In the hope to hear soon from you again and with best wishes

R. Schlechter.



355 Commonwealth Avenue, Boston, Mass. Nov. 2, 1919.

My dear Dr. Schlechter:

Can you help me to obtain photographs or sketches of the following Philippine species:

*Dendrobium Gerlandianum* Kraenzl.  
*Dendrochilum bistortum* (Kraenzl) J.J.S.  
" *malleolens* Kraenzl.  
*Microstylis philippinensis* Kraenzl.

I suppose the types of these are available for study in Berlin. Up to the present time I have been unable to make sure of these species and I am very anxious to obtain information regarding them.

I also need material or a photograph of *Habenaria Cuningii* Kraenzl. and of *H. Delessertiana* Kraenzl.

I have in mind, now, a key to the Philippine species of Orchidaceae, and it will be necessary to obtain a very clear understanding of the species named in order to carry out my plans in a satisfactory manner.

If you are in a mood to get out some of your duplicates for me I wish you would send along as many species of *Microstylis* as you can well spare. I have always been interested in this group and I am trying to make my herbarium strong in the Liparidinae.

2. Nov. 2.'19.

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Have you ever seen any material of Bulbophyllum orthoglossum Wendl. & Kraenzl.? I have been unable to identify this with any of the Philippine material I have examined.

If your list of Colombian orchids is not yet published and the date of publication is far away, could you have a manuscript copy made for me at my expense? I ask this very exacting favor because I am now at work on the Colombian material that has accumulated here during the last ten years. If you have done any work on the Lehmann orchids I would welcome a list of the numbers with your identifications. This may seem like a "large order," as we say here, but I am not asking more than I am ready to do in return.

I am going to make out a list of Reichenbachian things that I desire to know about and I will send this along in my next letter. Perhaps you will visit Vienna soon, and then you can help me at the same time that you attend to your own pressing needs.

Yours very truly,



355 Commonwealth Avenue, Boston, Mass. November 13.

Nineteen-nineteen.

My dear Dr. Schlechter:

Your letter of October 22 reached me this morning. I was delighted to have it and very much interested in your references to the future work you expect to do among the orchids. I noted your statement about the new genus based on Leytean material collected by Wenzel. In a post-card dated January 28th, 1914 you wrote that it was, in your opinion, a species of *Zeuxine* related to your *Z. elatior*, and *Z. argentea*. So much for that. It does not really matter. Your suggestion that we might publish the new species in a volume of my Orchidaceae meets with my approval, and at the risk of rousing your displeasure I am going to publish it in the sixth volume which is now on its way through the press and is not so far along but that I can insert Philippine material. I will have Mrs. Ames make drawings in great detail and get the necessary material together for a description of the new genus. The name will be *Philippinaea* as you suggest. The species will

be known as Philippinaea Wenzelii.

Your suggestion relative to the Colombian orchids would meet with my hearty approval if it were not for the fact that I have a large number of specimens and as there would, I think, be some risk in the present unsettled state of the world in sending them abroad. If you could only have prepared for me a list of the numbers of the Lehman orchids with your identifications you would aid me materially.

I do not like the suggestion that I take economic material in exchange for my Philippine orchids sent to the Berlin Museum. My reason for not liking it is based on the fact that I am anxious to have my exchange material bring in all of the orchids that are available. You will understand this I am sure when you stop to think that I need material for comparisons and when you remember that very few botanists have given the orchids close attention in this country.

Awaiting further information as to Folia Brachidaceae

Yours very sincerely,

*Arthur C. Smith*



den 30. Nov. 1919.

My dear Dr. Ames!

Your letter dated Nov. 2<sup>d</sup>. arrived the day before yesterday and the one from Nov. 13<sup>th</sup> yesterday. As for making the investigations needed I hasten to reply to both.

You ask about the following Orchids: Dendrobium Gustavii Kraenzl., Dendrobium histrix Kraenzl., Dendrobium molle Kraenzl., Heliconia philippinensis Kraenzl., Habenaria Fimbrata Kraenzl. and H. Delavayi Kraenzl.

First of all I must tell you, that of late years Kraenzl. does not seem to have preserved any types of many of the species that he has described. In his herbarium, which he has given to the Berlin Museum in 1907 a very large proportion of his types are missing. The whole collection was in a state, that proved his negligence in such matters. Specimens were mixed up, broken, without any tickets etc. After 1907 he does not seem to have preserved any types. I have done my best to get through correspondence flowers of the different type specimens, as far as they were still in cultivation and have succeeded in a good many cases, but, I am sorry to say,

in many instances it will in future be impossible  
to clear up some of Koenig's species, because he has  
to expect for good reasons of his own, not preserved a type  
specimen. Now to the different plants.

Dendrobium Leucodictyon Koenig. We have had a  
type specimen from the Erlangen Bot. Garden in Jählen  
in cultivation. I have drawn an analysis of it, when  
it flowered and send you a copy of it and <sup>a sketch</sup> of the dried  
branch.

Microstylis philippinensis Koenig. is type plant from Erlangen  
has flowered this year in Jählen. A copy of my analysis  
and drawing I enclose. The plant has a short thick stem  
and is rather characteristic by its altogether light and  
folded leaves. It belongs clearly to my section Pleurodon

Dendrobium bistratum and undulatum I have tried in  
vain to clear up. Of the former there is no trace whatever  
in Herb. Koenig. About the latter I had written to Prof.  
Görsch of Erlangen for some material, shortly after  
the species was published and was flatly refused it.

Harbennia Geddingii Koenig. was based on Geddingii  
Nº 2091, that is the type number for H. aristulifera R. & P.  
and as the analysis and the habit of H. Geddingii  
agree well with Reichenbach's plant there is no doubt,  
that H. Geddingii Koenig. is nothing but H. aristulifera R. & P.

The latter has in Koenig's "Monograph" Nº 80 the figure Nº  
121. This shows clearly, what this work is to be valued at.

Harbennia deloscentium Koenig. I don't know the type  
of this, but the plant distributed by the Philippine-



Government Herbarium under N° 1240) (from Galwan, Prov. Korymbur, taken - by Mac Gregor) matches the description so well, that I have no doubts it is the right plant. Besides the locality given for H. Dellesseianum, "Galwanak?" seems to be the exactly the same. The plant is clearly allied to H. subulatum Bl. I enclose a flower of my type from H. Edmingtonii and of H. Dellesseianum (leg. Mac Gregor N° 1240).

I hope this will satisfy you. I think it will clear up 4 of the six species. I fear the two Dendrochilums will remain riddles for ever, if there are no types to be found yet somewhere else.

Yes there is a seventh plant yet, you ask about: Pulchrophylloides orthoglossum Wendl. & Krmel. This I know very well. I have received several times flowers from the type specimen, that was in cultivation in Herrenhausen. I send you a sketch of the inflorescence and a pretty well flower in a capsule. This species is very near to B. amplibracteam Tyson. & Binn. and belong to my section Lepidochloa. From B. amplibr. it is distinguished by the narrower petals, the lip and the column.

With the distribution of my New-Guinean duplicates I will start soon (in this winter yet) and you can be sure that I will reserve for you such a lot of duplicates, that I am afraid, you won't have enough to give in exchange for many many years to come. But I reckon to get from you yet the usual and Vanoverburgh-Orchis.

the Borneo-Orchids and I hope two scraps of any of  
your types from Colombia. Your wishes for mate-  
rial from the Liparidiaceae I will not forget. My he-  
berrarium is, I think, in this group richer than any  
other; I think even much richer than Reichenbach's.

As to the Colombian Orchids. The first proofsheets  
have come all ready and the whole work is supposed  
to appear on the 31. December. As the things progress  
I will see to send you from time to time proofsheets  
of the new species, so you will be able to compare  
your things as the work progresses. I have not made  
a list of the Lehmann determinations, but Engelman,  
before he died, has sent me, as he wished that I should  
continue his work on the South-American-Orchids, a book  
in which he had entered all the determinations that he has  
found of the different collectors in literature and that he  
made himself. I will get the Lehmann-determinations ex-  
posed for you and besides enter some of my own to them.  
This will help you along a good deal, I think. I have  
had a very good collection from Ecuador and Antioquia  
made by a Colombian Orchid-collector, M. Wurdler, through  
the help of an acquaintance of mine. Unfortunatly  
untill now through the war all connections (addresses)  
of with these are lost. Most probably Wurdler is no  
more in Ecuador and of my acquaintance I heard no  
more. In all I have described over 250 new species  
and 7-8 new genera from Colombia. It will of course  
be a rather tedious task to look out all the Lehmann-



determinations, so you must have a little patience, but I hope in a week to be able to send the list off.

Now to your letter of the 13. November. I am consenting to your publishing the Philippinaea in your next volume of the Orchidaceae. But I will add here a few remarks as to the generic character. The simple median stigmatal ring, Philippinaea in the neighborhood of Platypleura, from which it is distinguished by the structure of the ~~the~~ labellum, which besides with its margins is ~~connected~~ to the lower half of the slender column.

Orchid-Duplentes will be looked out for you in the Dublin-Herbarium and forwarded to you within a short time.

I have about two weeks ago sent to you a good lot of my publications from 1917-1919 and I am very anxious to receive from you in return your own publications on Orchids. Of your Orchidaceae vol. V. I have not yet received a copy. I hope you will be able to spare me one. Besides, I expect that since 1917 you will have brought out some other publications on Orchids and would be glad to receive these too. The other day I came across in literature a Gastrodia atrochordos Peterhans,

where is it published and where does it come from? But perhaps your publications are already on the road to me?

My work on the *Guianallium* is in print for now. I have read already corrections of 64 pages of proofs and hope to bring this out too in the course of this month or beginning of the next.

Have you seen any greater publications on Orchids in English, French or American journals? Through the war we have been cut off very much in this respect and I would be glad to hear from you, if you have seen anything of interest. Most of the periodicals since 1914 are still waiting in Berlin. How is ~~the~~ <sup>Mr.</sup> ~~Mr.~~ <sup>Glaser</sup> doing in the Philippines, are they still doing much work? Can you tell me, where Mr. G. F. Baker is now? Do you know his address? Have you received any greater collections, besides the Bornemann one?

About the intended "*Folia Orchidaceae*" I will draw out fully my plans to you in a special letter, that will go off in a short time.

With best compliments

Yours sincerely

R. Schlechter.



Jan. 23. 1920.

Dear Dr. Ames:

By to-day's post I am despatching the  
~~last~~ <sup>new</sup> proof sheets of the new Silvian Orchids,  
that I am bringing out now. I hope you have received  
all my former proof sheets correctly. Perhaps they have  
been of use to you. Have you got my letter from  
two months ago? I am impatiently awaiting  
your later publications. Of your Orchidaceae V,  
I have not yet seen anything. The list of Silvian  
Orchids I hope to be able to despatch next week.  
It has taken a good deal of trouble to get things  
together.

I have been expecting  
 an answer to my last  
 letters since something  
 had perhaps they have not  
 reached you.

Best compliments  
 Yours truly  
 R. Schlechter.

**Dr. Rudolf Schlechter**  
 Berlin-Schöneberg  
 Neue Culmstr. 5a.

Postkarte

NEW YORK  
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25.1.20.6-7N  
 DEUTSCHES REICH  
 6

Dr. Charles Ames.  
 The Ames Botanic Laboratory  
 North Andover (Mass.)  
 355 Commercial Ave.  
 United States of North America.  
 Boston, Mass.



Dr. Rudolf Schlechter  
Berlin-Schöneberg  
Neue Culmstr. 5a.

5. Febr. 1920.

Dear Dr. Ames!

Your letter of January 11. reached me to-day  
and I will answer it at once, that it may reach  
you yet, before you start on your voyage to  
Yukon.

First of all my best thanks for the promise of  
the Bornean and Philippine Orchids, and  
for your *Orchidaceae* V. for which I am looking  
forward with eagerness. I will put aside for  
you one of the best or the best set of my  
New Guinean duplicates, and have already  
made notice of your special wishes regard-  
ing the *Liparidinae*.

At present I am working on the Orchids  
of Micronesia, from where we have got here  
a large collection from Ledebour, that  
contains a number of new species, but  
nothing very remarkable amongst them.  
Some of the plants are identical with  
Siam species and amongst them is a *Li-*

paris, which I suppose to be E. guianensis  
itself, but I am not sure. Can you send me  
a flower and a sketch of the plant? <sup>(and a sketch)</sup>  
be besides of a flower or two of the  
following Guian - Orchids: Calopogon ~~stue-~~  
Gregorii, Calogyne guianensis, Polypogon guianensis,  
Dendrobium guianense and Exochilium guianense.

I will gladly send you other things in return.

I wonder what you will say to my new arrange-  
ment of the Epiphyllinae. They were in an  
awful mess. I was not satisfied myself to  
have to make so many new genera, but it was  
unavoidable to come to proper limits. It  
is strange that nobody has paid formerly  
more attention to the great differences in  
the epiphyllinae.

Very shortly I will send you some more off-  
prints. I have lots of things in the press. The  
copies of my Colombian - Orchids will come every  
day, then I will despatch <sup>to</sup> you a copy.

I can quite understand, that there must  
have been lots of interesting things amongst  
the kinabalu - Orchids. It must have been  
a pleasure to work them out.



Dr. Rudolf Schlechter  
Berlin-Schöneberg  
Neue Culmstr. 5a.

With the list of Lehmann's Orchids I am still busy. You must excuse that it takes so much time, but I am very much occupied now with corrections and work on other things, but my time is rather limited. But I hope to send it off very soon.

Now as to the "Folia Orchidaceae" my plans were the following. We could work out the different genera separately, starting of course with the smaller ones, but at the same time bringing out now and then a larger one. The descriptions and the general way of publishing should be similar to the one adopted by Lindley, but each genus gets a systematical number, for which, as they are all now pretty known, with slight alteration we could adopt the numbers as they are given in my book, "Die Orchideen". However I would work out the systematic list of the genera and then we would no doubt come soon to an understanding. Even

And new genera would get a. b. c. etc. numbers  
of the genera, to which they are nearest allied.  
The descriptions should be more complete  
than Linnaeus. I expect we could bring out  
yearly about 100 descriptions, so that in  
about 20 years the work would be complete.  
For each genus there should be proper keys  
made for the species and even for the <sup>varieties</sup>  
descriptions written in Latin, general remarks  
(short) as to affinity etc. in English, German  
or French (in case we take other collaborators  
too). As there is an immense lot of work  
to be done and, at least here in Germany,  
we scientists are not very well situated,  
we ought to try, to raise a salary for each  
printed sheet (of 16 pages) of about 20 or  
25 shillings (= 50 gold marks). As to the editor-  
ship we might agree as you wish, <sup>to</sup> either  
"Anzeiger & Zeitschrift" or "Schlechter & Co. me". This  
would be immaterial, as at each genus the  
name of the author should be mentioned.  
If we should take any collaborator, there  
should be a mutual understanding let



Dr. Rudolf Schlechter

Berlin-Schöneberg

Neue Culmstr. 5a.

tell you and me about whom we take  
and what general he is to work out.

Do you think that under these or simi-  
lar conditions you would be able to find  
a firm, who would agree to publish the  
work? Perhaps the printing itself could  
cheaper be done in Germany? But I am  
not sure about the printing costs in Amer-  
ica.

There is besides one proposal, I wish to  
make, and this is, a liberal exchange of type-  
specimens (resp. bits of the type, when possible,  
or tracings of drawings etc., of which I have  
many thousands) while the work proceeds,  
that is to say not only of the general that  
each one of us requires for the work, but of  
every other too, so that we both are in a  
position to work on each of the finished  
general properly.

These are my proposals to you, if  
you care to go with me in bringing out  
this publication, which ought to be done

should be a standard work on the  
Orchidology and indispensable to every  
body, who interests himself in the order.

As soon as one of the groupings or tribes  
of Genera is finished, we could give a key  
to the genera and complete the whole, when  
it all the genera are encompassed by giving  
a key to the ~~sections~~<sup>groupings</sup> or tribes of the Order.

If you should agree with my plan, I would  
work out <sup>(small)</sup> sample-genera and send it in  
to have your approval. If possible we  
could then, not to lose much time, start  
immediately this year with the publication.

I wonder, what you will say to these  
big plans. You can be sure, that if we  
once start, I will do my good part of  
the work, as I have accumulated a large  
lot of materials and drawings for such  
an enterprise.

I hope the press-sheets of my *Columbin-ae*  
charts have come in useful. You can mount  
them for references in the herbarium.

Hoping to hear soon from you again

Yours sincerely

R. Schlechter.



355 Commonwealth Avenue, Boston, Mass.  
February 17th, 1920.

My dear Dr. Schlechter:

I have just received another large package of reprints from you. Please accept my sincere thanks for your kindness. I intend to examine your conclusions in detail before long, but just now I am very busy with university work and my time is for the present pretty well taken up by routine duties.

I have looked over your paper on the *Spiranthinae* with interest. Your treatment of *Spiranthes parviflora* does not meet with my approval. I believe that this species is referable to *S. ovalis* Lindl. and is more common in the State of Missouri than we have had reason to believe heretofore. I made a very careful study of *S. ovalis* at Kew and I concluded without a shadow of doubt that it was the same thing as *Sp. parviflora*. It would seem that my paper on this species has not been sent to you.

We have had very severe storms here that have shut me off from communication with my laboratory at North Easton, consequently I have been unable to assemble for you the reprints that have accumulated since I last sent you a collection of my publications. Vol. 5 of *Orchidaceae* I intend to order direct from the publisher so that there should be no delay in getting this to you within a few weeks. Vol. 6 is struggling through a disorganized press. I will forward it to you at the first opportunity to do so. I think you will be very much pleased with it as a specimen of bookmaking even if it should not come up to your expectations as a scientific work.

I am not sure that we can keep *Spiranthes odorata* distinct from *S. cernua*. I have made a note of your remarks regarding the rostellum and the conformation of the lip, but I am afraid an examination of numerous specimens would fail to uphold your conclusions. I am afraid that we have simply been attempting to sustain an error of judgement made in the past. This is not an infrequent thing in systematic work among plants.

With the best of good wishes,

P.S. Many thanks for your esteem indemnified by new species named in my honor.

O.A.

355 Commonwealth Avenue, Boston, Mass., U. S. A.

March 10th, 1920.

My dear Dr. Schlechter:

I was delighted to receive your letter of 5th February with your suggestions regarding the publication of orchid monographs. I really think we might do a good piece of work if we could get together in some way and co-operate in the handling of the different genera. I will take this matter up in detail at another time. Just now I am in the midst of preparations for a trip to Cuba. I leave tomorrow. I expected to reach Havana in February, but the labor conditions there were too unsettled and owing to troubles at the docks the steamer in which I engaged passage was taken off.

A few days ago I sent to your address vol. V of Orchidaceae. This should reach you in a week or so. Vol. VI will be ready for distribution in about two months.

I have received the reprints you have so kindly sent to me. They have been very helpful and I have derived a great deal of profit from them. Your treatment of the Central American species is very interesting.

We have had very exceptional winter. The snow has been extraordinarily heavy and traffic has been sadly disarranged. I have been unable to get to my country house and at times communication has been so difficult that supplies have not been gotten from the farm to the railroad. When I return from Cuba I expect to be able to get to my laboratory again and I will make sketches for you of the Guam orchids you mention



in your letter. I believe I have material of all the species you mention, although some of them may be in Manila.

I expect to distribute my Bornean duplicates in April. I am reserving the best set for you. I hope to receive my Chinese specimens back in the near future, although if you think it unwise to return them at this time there is no hurry. I am also anxious to receive some of your duplicates.

I would welcome a sketch of the Central American *Habenaria Amesiana*. In fact I would like to have something to show all the new species of *Habenaria* that you described as I am anxious to keep my North American representatives of the genus complete either with specimens or drawings.

When I return from Cuba I will write again when I feel a little less rushed than I do at this very minute.

Yours very truly,

*Charles C. Smith*

2. April 1920.

Dear Dr. Ames!

First of all let me thank you heartily for your book on the Prehists of the Philippines, which reached me yesterday. I have been looking into it already and find it very interesting. There will be a few additions needed, of which I have noted some down on a separate sheet, which I am going to include in my letter. From time to time, as I come across some more, I will send you notes about them.

Now to your last two letters. I did not answer them at once, because I expected you already gone to Göttingen. When this will reach you, I hope you will have returned home already again.

As to my work on Gyrinethes, I had of course to take what I had on hand. I am sorry that I have not seen your interesting remarks regarding Gyrinethes ovalis Sch. and G. odonata. But the whole work was specially written with the object to give a natural division of the whole group of Gyrinethinae and



in this, I think, I have succeeded. At least  
now, after having examined lots of materials,  
more, that have come in since the completion  
of my manuscript, I had no difficulties to  
put them in their proper places at once. There  
is quite a number of species yet of which,  
no material (or good material) was not to be  
had, I could not decide. They will have to be  
cleared up on occasion afterwards.

As to my proposal respecting the new *Folia*  
*Orchidaceae* I am convinced, that such  
a work should be done now, and that, if  
we two take it in hand, it has the best  
chances to be finished. You can reckon  
on me, that I will be able to work on and  
keep to it, or that a regular progress can  
be guaranteed. We would start with the  
smaller and middle sized genera and then,  
on occasion offers itself, finish the larger  
ones from time to time. My material is gen-  
erally speaking a good and rich one, and  
with the help of the Reichenbach-Herbarium  
and the numbers of drawings, I have done  
myself, we ought to be able to do very  
well.

I have just finished a Revision of *Trone*.

Dr. Rudolf Schlechter  
Berlin-Schöneberg  
Neue Culmstr. 5a.

under and of Bolton and drawn all the  
species. The materials of Reichenbach's Herbarium  
I had here and have now asked for a few  
more genera.

Many thanks for your promise of the Bor-  
nean and Philippine - Orchids. You can be  
sure, that I will put aside for you a very  
good material of New Guinea - Orchids. I hope  
to start with their distribution soon and  
then send you the first lot along with your  
Chinese Orchids.

By the way, of China I have just sent in  
again a manuscript of about 15 novelties  
from Yunnan of Ten's and Esquivel's collecting.

As soon as you write, that we might start  
together with the "Folia Orchidaceae" I will send  
you a sample manuscript to show, how the  
work should be carried on. It would certainly  
be very useful if we could publish for  
as many species as possible some analyti-  
cal drawings in text. But I am afraid  
this would be too expensive. At the same time  
this would advance the knowledge of the



Orchids more than any other work has ever  
done. Of some genera, for instance, I have  
such drawings of all known species. They  
are all drawn in such a way, that they  
are generally very easily recognised. All Or-  
chids known I estimate now at 2000, or  
if we keep to the work and bring out yearly  
100 or a little more, the whole work would  
be finished in about 20 years and it would  
be a standard work, to which every Orchidolo-  
gist in future would have to refer.

I am sure, if we go together in this work,  
the success must be on our side.

Hoping to hear soon from you again, I am  
with best compliments

Yours truly

R. Schlechter

April 23d, 1920.

My dear Dr. Schlechter:

Your letter of the second of April arrived this morning. I was delighted to receive it, and most interested in the enclosures although the list of additions to the Philippine orchid flora rather annoyed me as I shall have to ascertain just what Kraenzlin has described. Unfortunately his papers have not reached me and I shall be unable to check up his work with the list of new species that I am putting out in the sixth volume of Orchidaceae. If there is any way in which you can secure for me material or sketches of the new species I will be more than obliged. As I have given so much time to the Philippine flora I want to keep my records complete and be able to interpret the work of other orchidologists.

I have seen nothing from the Philippines that in any way matches Dendrochilum saccolabium Kraenzl. and I am inclined to doubt very much if the original plant came from the Philippine flora. I do not recognize the genus from the sketches you enclose and I am not inclined to commit myself as to its position.

I have been working on Spiranthes again in the light of your very helpful monograph. I am sorry that you did not cite specimens and give more information as to distribution. In spite of your notes I am unable to clarify the S. sinensis puzzle, although from my studies of the Robert Brown Port Jackson plants in my herbarium I can readily see that the Australian plant is not to be confused with the small flowered Chinese one. I have materials from China, collected by McGregor that seem to fit S-styletes, but I am not sure of my diagnosis. If you have sketches of this species I would welcome copies. The Indian species I have examined seem to constitute a distinct type, and I am about ready to agree with your treatment of S. crispata. I would like to take up Spiranthes as you have limited it and publish a good paper on it. I am now beginning to assemble material for this purpose and I hope you will send me some of typical New Guinea species. In fact duplicates of Spiranthes from any part of the eastern tropics will be very much appreciated. I have a very friendly feeling for the genus since my struggles with the species of the North American flora aroused a strong liking for spiral-flowered Spiranthes.



I am very much interested in the new "FOLIA". I would enjoy working at this with you, although I am afraid that the difference in our speed would throw the bulk of the labor on your shoulders. I am an intermittent worker; that is I am a slave of inclination, and there are months at a stretch when I find botanical work of any kind a perfect form of torture. You might not enjoy collaboration with a man who wanders from the job. Then again you have a great advantage over me in the ability to turn out critical studies as you are near at hand to the rich collections of types that are preserved in the European herbaria. I am constantly deterred from publishing the results of my studies because I find myself obliged to consult distant types before I can attain finality. There is nobody in this country who is at work on the orchids, consequently our herbaria are almost useless for purposes of comparison, a fact that makes dependence on printed diagnoses necessary, and we all know the dangers that await us when we place our trust in the printed page. When I see the hosts of species that you are publishing I experience a feeling of perfect hopelessness because I don't see how I can assimilate so much new stuff. That is a very frank statement, is it not? With this very slovenly introduction behind me I will tell you just what I have in mind. I have in mind a painstaking, thorough job of each genus or section of a genus that we attack. I would like to have a great deal to say about the format of our book, the typography and illustrations. Although we would of course work independently on the genera we undertook to do, we ought to agree at the beginning that we would submit our manuscript to the other man before final going to press. In my opinion it would be best to print the book in this country. It might be more expensive to print here than in Germany, but as I would be willing to finance the book making, that objection would not need to be considered. Of course I cannot bind myself to finance a work that will extend over a number of years, because the times are uncertain and nobody knows what the future has in store for us. I would, however, pay the bills at the beginning and up to such time as I felt that I could safely do so. I am not interested in any profits and I would gladly allow you the benefits of profits on sales. I also would like to propose that you do some work in this country. I do not know what arrangements we could make to this end, but it seems to me that we might very well come to some agreement that would be advantageous to us both. Of course I am wholly ignorant of your financial position and I do not know what your attitude would be toward any proposition that I might make. If you have any suggestions to make they will be most welcome. In one of your letters you suggested, if my memory is not at fault, that you would rather welcome an opportunity to work in this country. In any event it would be well for you to do some collecting in our tropics before we



take up some of the groups that offer perplexities. I might be able to finance you if you do not feel that you can bear the expense. We might do some collecting together. It would also be well for you to do some work with me on some genus that we could publish conjointly. As I am now situated it would be difficult for me to come to you.

You ask about illustrations. It seems to me that we ought to be lavish with plates and text-cuts. It would be a shame to economize in this very useful department of taxonomic botany.

I have been working out in my own mind the final treatment of *Dendrochilum*. Perhaps it will be necessary to re-instate *Acoridium*, but I am not ready just now to do this. I worked over additional material during the winter and I was just about ready to monograph the genus when university work drew my attention to other fields. As I have more material of *Dendrochilum* and more types than anybody else I hope nobody will interfere with my little monopoly. I would like to handle this group in "FOLIA".

I am sorry to say that part of your Colombia orchid paper is missing. Some of the pages, too, were badly hurt because of the manner you adopted for sending them through the mail. I hope you will be able to send me the complete work before long, also the balance of your monograph of the *Spiranthinae*. This paper is still incomplete and stops at a very exasperating place.

I am very anxious to receive material from you. As I have informed you above we are very deficient in orchid material in this country and we need every scrap of evidence that we can assemble.

It will be very interesting to know how you react to this very incoherent letter. I hoped to be able to put down what I wished to say in much less space, but I am afraid the subject needed space equal to that I have used.

Yours very truly,

Dr. Rudolf Schlechter  
Berlin-Schoenberg, Neue Culmstr. 5a.



May 23d, 1920.

My dear Dr. Schlechter:

I enclose a small branch from the raceme of an *Epidendrum* of the *E. fucatum* alliance that has just bloomed in the Garden collection. I am not sure of the origin of the original plant although the gardener is sure that it came from Columbia. The habit is very much like that of *E. fucatum*, but the color of the sepals and petals is of a clearer and brighter yellow. If you can identify the species for me I wish you would send me the name.

I have been studying the *Spiranthes* paper with a great deal of interest. The more I look into the status of *Spiranthes australis* the more convinced I become that you have misinterpreted the material you examined. My assistant is now checking up my conclusions and I find that he is as much perplexed as I was over your treatment of *S. australis*. You have left the Japanese species indefinite as you will see by contrasting the ranges given in your *Flora* and in your monograph of the *Spiranthinae*.

My book on the orchids of Mt. Kinabalu is nearing the point of publication. I am very anxious to have you see it.

Yours very truly,

Dr. R. Schlechter.

9. May 1920.

My dear Dr. Ames!

Your letter of April 23<sup>rd</sup> reached me the day before yesterday. Many thanks for your exhausting remarks respecting my former proposal. I will answer your questions and proposals one after the other.

First. As to Grünlin's new additions to Philippine orchid flora, I hope to be able, to clear all of them up in the near future. I have got a promise from Munich, that they will send me samples, as soon as the different species come to flower again. Some of them I have received already and will write about them to you soon more fully.

As to Spiranthes, you will have received by this time already a <sup>copy</sup> paper of the whole work and of the Columbian orchids. I sent them off about 3 weeks ago. Please let me know, if you have got them. I will see, what I can do respecting material of the Asiatic species of the Spiranthes. I will send you too copies of my analytical drawings of these species. You will see from my remarks, that as to S. sinensis there is yet something to clear up. The common small flowered Chinese species is evidently the true plant. Then there is another with a little larger rose flower, which might be the S. umorena. S. stylites has white, large



flowers and is a very distinct species, as you will see, as soon as I will have sent you the copy of the analysis and at least a flower or two. When you will have studied my paper on the Girardinia at the side of material, I am sure, that you will find, that it has got a quite different aspect now and that the species naturally allied have at last been properly grouped. I have not given the collector numbers because the chief aim of the paper was, to deal with the genera as such, and in most instances I would have had to copy the collector lists of the Flora Bonariensis etc. I have the hope, to finish some day a proper monograph of the group (excepting Girardinia must perhaps one or two other genera, which I of course would leave to you, to deal with).

Now I come to the Trilix Prochilonea. I am very pleased to see, that generally speaking you accept my proposals and, as I am willing to agree to your new proposals as much as possible, to guarantee a proper collaboration without any misunderstanding, I all the way to our success already pretty clear.

What you write about your own way of working intermittently cannot hinder us. I am myself, this I know, a <sup>very</sup> fairly hard worker and will see to it, that the work progresses. It is my ambition and I hope it will be yours too, that we should be



able to finish a monograph of The Orchidaceae before our lives are finished. That is to say, we should see to it, that we finish ~~at~~ every year about something like one thousand species. The whole order I estimate on 17-20000 species, according to my estimate of all the known species with their synonyms. We should try to bring out every year about 500-600 pages of print, counting about two species on each page, in ~~one~~ <sup>two</sup> pages. I will work out a small genus, to show you what my ideas are as to the treatment of the ~~different~~ <sup>different</sup> genera and species. If this finds your approval, then we might start, to write the first part ready for publication.

As to the different parts, I propose to let them contain each about 5 sheets (of 16 pages each). For illustrations I propose mainly line drawings of as many species as possible, but they should not occupy too much place and are best given as text figures. I have introduced in my herbarium a uniform size of about  $12 \times 7\frac{1}{2}$  cm. for these drawings, of which I possess surely more than 600. For reproduction they could be copied wherever desired and of each of these drawings I will send in copies to you, as the genera are worked out, and leave it to you, to choose what you wish for publication. If we could give a



each genus and section a habitus-picture it would certainly much raise the value of the publication. As to citing literature. I propose, to cite only of each species and synonym the first publication, otherwise, I am afraid, that the publication might be getting too bulky. Each genus should be paginated separately, always beginning with page 1.

The reason that I have proposed a pay of 15 dollars a sheet of 16 pages for my own work was this. Some of our journals, especially the gardening ones pay for the work. We scientists are at present not at all standing well; we get here even worse pay than most of the house writers. The little that I owned, I have lost through the war and it would be quite a different and poorer feeling for me, if I knew, that by putting myself down to the work I am not losing other chance to gain some remuneration. The life here has become exceedingly expensive after the war and I have to be diligent, to make ends meet and to keep my wife and four children (of now 6 and 8 years) properly. During my different expeditions I have spent every penny, that I possibly could spend, for the sake of my beloved wife and now I would gladly do so yet, but it (is) my duty, to take consideration of my wife and the children.



<sup>who</sup>  
~~that~~ are dependent on me.

This is an open confession of my financial standing and will, I hope, put my working conditions in the proper light.

With all your proposals respecting the printing in America and the submitting of our manuscripts to each other before final sending it to press I am altogether agreeing. There is however one proposal, that I would like to make more. Let us be of one opinion for about the quality of the paper and the printing types too. If we do really intend to give text figures, we should use a smooth printing paper, as they are coming out better and larger on this. The types of printing should be simple but clear. For the title of the work I would propose Four Archidonea by Charles Jones and R. H. H. H.

As soon as I know, that I can start with the work, I will put all my energy to it and most probably send in the near future first the manuscript of a few smaller genera and later on of the Dione the chiefly African groups.

Of course I would be very glad and willing to do some of the work conjointly with you, if we could somehow make arrangements or collaborate



either here in Europe or in America, but my finances would not be able to bear the expenses of such a voyage and stay there under the present circumstances. It was always my ambition and hope to visit yet America and to do some collecting in the Tropics there, but I was first too much engaged with the Tropics of the Old World and now, since I have made you the confession about my financial standing, I could only do it if I am financed from another side. But before looking any such collecting trip into consideration, it would, I think, be best to be well going on with the "Julia". I am myself convinced, that, if we two would do the collecting together, we might in some parts of the Cordilleras succeed in getting a similar harvest, as I have got from New Guinea.

Now I will close. The letter has become already very long, but I thought it my duty to write as fully as I did.

Yours very truly

R. Schlechter.

P.S. I am in the midst of the distribution of my New-Guinea Orchids and have put aside for you already great heaps.

June 30. 1920

Dear Mr. Schlechter:

Just a line to ask if you have an extra copy of your *Orchidees de Madagascar* (Ann. Mus. Vol. Marseille) that you can spare. I want the plates for my herbarium. In fact any duplicate plates that you can spare will be most welcome.

I have much to say in reply to your last letter. But at this writing I am too much pressed to go into details. I am in perfect agreement with you and quite ready to go ahead with the joint work although I am afraid that my contributions will be slow, at least for the present. I may start *Calopogon* and a few small genera for a beginning. I am getting together material for *Spiranthes*.

I wish we could talk over the financial situation face to face. It seems to me that I could make many things possible.

Yours in haste  
Oakes Ames

Copy



18. Juni 1920.

Dear Dr. Ames!

I have been waiting with the answer on your letter, dated May 23<sup>rd</sup>, because I expected to have an answer from you on my last letter from May 9<sup>th</sup> every day, but I will wait no longer now, that I might send you the determination of the orchid sent in.

This plant from the Harvard Botanic Garden is not probably not of Colombian origin, but comes from Gen. Arac. America. It is the Encyclia arumetia (Bakem.) Kuhn., Epidendrum arumeticum (Bakem.). The genus Encyclia is, I think, quite wrongly united with Epidendrum. If we unite these two, then we cannot distinguish Loxleya either and we will have only one big genus Epidendrum for most of the Epidendrinae.

As to the Epistrophe australis - question. I have seen already, that I have made some blunders in the localisation of the East-Asiatic species of this group. I will send you by sample-post some bits of the Eastern-Asiatic species of this affinity. These you can keep for your herbarium. From

these specimens you will see, what I understand  
to be the Spiranthes amurensis, S. sinensis (Lour.) Ames  
S. stylites Coll. and evidently a new species, which,  
if you like <sup>and consider it distinct too</sup> we may publish together. The blunder  
originated by the circumstance, that my manuscript  
copy of the Spiranthes - work was not at hand  
when I got the sheets of my treatment of the genus  
in the Orchid. sin-jap. In fact there I had first  
treated the whole as one species, S. sinensis, and  
only in the last moment I was able to make the  
alteration. These manuscripts had been lying with  
the printers for some years and part of the corrections  
I had to read while I was called in for front service  
and away from my books of reference. The treat-  
ment of the Spiranthes is not supposed to give  
a monographic study of the species, for this it had  
to be yd for incomplete besides, but it was specially  
written with the object to clear up the limits of the  
genus. S. stylites I know for certain now from Japan,  
Korea and Tring-tsin. Spiranthes amurensis evidently  
goes from Japan westward as far as the Urali. S. si-  
ensis is chiefly Chinese, but I have not yet examined  
all the Japanese material now at hand.

With best compliments Yours truly  
R. Schlechter.



3. July 1920.

My dear Dr. Sauer!

Your letter from June 3<sup>rd</sup> reached me a few days ago and I have at once despatched the copy of my *Urticaceae*-tracts, that you have been asking for, besides a few other offprints, that have come out lately.

I have now been busy preparing a sample-group for the "Tulin" and have chosen *Saxifraga*, because it forms a group of its own and like this *Stellaria* just suited as a sample, besides I have studied the species lately and knew them well. In the *Flora Brasiliensis* there is not much more to find, than compilations of the old descriptions. This manuscript I have now finished and sent it off just now by book-post - registered. I hope it will reach you safe.

Now a few words about this manuscript, which is to show you, how I thought of treating the different groups and genera: First <sup>(comes)</sup> a short characteristic of the group in Latin, then

remarks in English, French or German about  
the affinities to the neighbouring groups, and  
if there are more genera a key to these. Follow  
now the genera, treated in the same way, i.e.  
characteristic generic singulare (in ablativis) in  
Latin, ~~the~~ critical remarks and then key to  
the sections (if there are any to recognize) or  
at once up to the species. If sections are acknow-  
ledged the key to the species is to be given sep-  
arately under the different sections. The species  
are described in Latin (ablativis) in a not too  
long singulare, then comes the enumeration of  
collectors according to the different countries and  
below cultivated specimens, finishing with criti-  
cal remarks about the affinity etc. <sup>(in English, German or French)</sup> and if possible  
stating the colours of the flowers. From my manu-  
script you will see, how I think to treat the  
different parts. X

If now you think, that it is too long, please  
shorten it, but I think myself the descriptions  
should average about the length given to them  
in my manuscript. The old descriptions, for instance  
Lindley's, are often too short, when it comes to  
critical species. I hope like this. The whole  
finds your approval generally, wherever  
you are of different opinion, please let me



Dr. Rudolf Schlechter  
Berlin-Schöneberg  
Neud. Galm. 5a.

Now, what you wish to change or rather I give you at once the liberty to do the changing in my manuscript and then after this it could go to press, to see, how the whole will do. Here I have treated a full group, often we will have to treat only separate genera. Let me know as soon as possible, what your decision is about the matter, and then I will continue.

Now as to the drawings, I am making analytical drawings of all species that I describe, or at least as far as material is available. If we could publish them (as I have added them to each species in my manuscript) the value of the work would be very much increased and we would create a standard-work or rather the standard-work for all future Orchidologists. This time I have no more copies of my original drawings, in future I will send the originals, to save the time of copying, and after the printing the originals can be returned to me. For your own herbarium I will always add some bits of each species, if possible a specimen (as far as possible of course) and would ask you to do likewise with the species treated by you. Of the Grubias I have no duplicate-inflorescences, so I am sending a few flowers of each species, but I will try to get better material for you later on. If you consent to publish these analytical drawings, I propose to



for my own optical drawings of all the species I have sketched. I will copy for you

bring them as text-illustrations. I have beside an  
idea, that might prove useful. Could we not get of  
these nunlytical drawings always made 10-20 copies  
separately for each of us for exchange with collectors  
or the larger institutions. Like this we would have  
a chance to get good material, partly of copies of  
drawings partly of specimens.

As soon as all these questions are settled, we  
can start to bring enough material of manuscript  
together for the first part to appear. If all goes  
well, I hope, that we might see this first part  
appear in the beginning of next year. For each  
part I propose about 5 sheets = 80 pages print.

I will expect your answer with expectation.  
As soon as this comes, let us decide about the  
sequence of the groups and genera. There is a  
little alteration to be done in the sequence that  
I have given in my book, "Die Orchideen".

This book, I am not sure, if you have already  
a full copy of it. If not, please let me know,  
that I might get you one yet.

This has again become such a long letter,  
but things have to be discussed properly.  
I hope for a speedy reply. In the mean time  
there will be perhaps the answer to my last  
letter from May 9<sup>th</sup>

With kindest regards  
yours sincerely  
R. Schlechter.



September 15th, 1920.

My dear Dr. Schlechter:

Your letter of July 3d reached me in good season, but as I was away on my summer vacation I could not give it the attention it deserved and so postponed an answer until this day. The manuscript of *Grobya* came through all right and I have examined it as a type of the treatment we are to adopt throughout our joint work. I think the simplicity of the arrangement will make our task quite easy and enable us to publish a goodly number of species once we begin to get into our stride. If you will let me know what you think will be the best plan so far as actual publication is concerned I will go ahead with the details. Perhaps one of our large presses would handle the work if a guarantee were to be given that no loss should be suffered.

I have in mind for my first contribution the following: *Isotria* (if that is a valid monotypic genus), *Arethusa* and allied genera (the *Bletillinae*), *Spiranthes* and *Goodyera*. I find that I have a pretty good beginning for *Goodyera* as Eaton and I worked on the group before his death. This summer I have been studying *Spiranthes* in the field and I have given the species very careful attention. I found the other day near my house a well marked *cernua-gracilis* hybrid. Just at present I am getting together material for a seventh volume of my *Orchidaceae* and I intend to illustrate and describe our native species of exceptional interest. This summer I studied carefully *Pogonia trianthophora*. I have a colored sketch of the plant that Mrs. Ames made many years ago for a book that never was published. I am sending you one of a few proofs that were taken from the sketch. This will be welcome to you for your herbarium. I am also sending you a flower in formalin-alcohol so that you may examine the parts in perfect condition. You will notice that the pollinia are very much like those of *Arethusa* and not at all like the pollinia of the other *Pogonias*. The rigid attachment of the anther is very different from other *Pogonias*. The pollen itself is reticulated, faintly, a characteristic that I have not noted in other *Pogonias*. *Pogonia ophioglossoides* does not have pollen tetrads at anthesis as do the other species referred to the genus. This peculiarity it seems to me would warrant a still more rigid segregation of species than has heretofore been attempted. It would seem that *P. divaricata*, if excluded from association with *P. verticillata*, would become a distinct, monotypic genus. The reason for removing it from the *P. ophioglossoides* category would be based on its having perfect tetrads of pollen. Aside from the unjointed leaves of *P. trianthophora* how do you keep the species out of the *Bletillinae*? That is, how do you keep *P. trianthophora* out of the *Bletillinae*? After your examination of the material I am sending to you to-day please let me have your opinion of my observations.

conclusions.

At the Gray Herbarium they have received several centuries of your New Guinea orchids. If these are for sale I wish you would reserve a series for me as I am better able to purchase your sets than to obtain them by exchange.

I have just received from the Berlin Museum 225 duplicates of orchids that are of great interest to me. I will write to Dr. Diels at once and thank him for his kindness in bezzing me in mind at a time when so many important matters must be uppermost in his mind.

It will be well, I think, if we are to follow your arrangement of genus-groups for you to send me a revised list of your scheme presented in Orchideen. As I rember the situation you have already added a new group and undoubtedly you have made other changes that have not yet come to my attention. Get this off to me at your earliest convenience as it is very important that we agree on the order of genera and their grouping before we begin to publish at any rate of speed.

Your reprints continue to arrive. Please accept my best thanks for these. Did you remember to obtain for me reprints of the new Philippine species published by Dr. Kraenzlin? You sent me a list of a number of species some time ago.

Did I send you a specimen of the Florida Oncidium that I referred to *O. sphacelatum*. I believe I did send you a specimen as I wanted your opinion regarding it. I am pretty sure that it is not *O. sphacelatum*. I think you will find the specimens in your herbarium. If I can find better flowers than went to you I will enclose them in this letter.

I have thrown this letter together with great haste so please pardon slips included and the important omissions that you discover.

With best wishes,



NEW YORK OFFICE  
THE ENGINEERING FOUNDATION  
33 WEST THIRTY-NINTH STREET

**NATIONAL RESEARCH COUNCIL**

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DEPARTMENT OF SCIENCE AND RESEARCH  
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**BOTANICAL RAW PRODUCTS COMMITTEE**

BUSSEY INSTITUTION, FOREST HILLS, BOSTON, MASS.

20. Sept. 1920

My dear Dr. Ames!

After a long waiting I got again news from you. Many thanks for your letter, which reached me to-day. I hope now, after you have returned from your vacations, our correspondence is going to be a regular one again.

It is a curious coincidence, that of late I have been occupying myself too with the Pogonia-question, however from a little different point of view. I had to deal with some of the South-American Pogonias and came to the conclusion, that it would be better to separate Gleistes again from the Pogonia-proper, i. e. P. ophioglossoides and its near allies, and I <sup>felt</sup> ~~was~~ convinced, that Triphora had to be kept separate as well. However allies of this plant are several Mexican, West-Indian and a few South-American species, that will have to go then to Triphora too. Most of the others are Gleistes. I will examine the question of this separation more closely now, after I receive



the material from you, and then report on it  
more fully in a few days. I have been collec-  
ting already materials of the Gleistes-set,  
since this grouppe interests me specially after  
I have examined the fine material in Dureau's  
collection. If you agree to it, I will take  
up this Gleistes and work it out for  
our "Folia". If however you prefer to do it, then  
you might do so, but perhaps this special  
grouppe might offer you more difficulty, because  
the materials are rather scanty. If you agree  
to my proposal, I will start at once to work  
on it and with the help of Reichenbach's types  
and my own will soon master it.

The revised list of the grouppes and  
Genera of Orchids, with the generic numbers,  
I will work out and send it in in the  
course of a few days. Whenever you propose  
alterations, we can settle about them by  
letters. The best would be perhaps to not finish  
a key to the genera at once, and in the  
"Preface" of the work we might point out  
the present difficulties and mention  
that future work is sure to cause some

alternatives. Perhaps it is wiser to give a type,  
sent only a key to the grower.

Of course for my general, that you undertake  
to work, I will put my drawings and as much  
as possible my material or samples of it at  
your disposal, we must see yet, how we best  
can arrange about this sending to and for  
of the specimens. For you make any proposal  
about this? My drawings of Geraniaceae will  
be sent registered in a few days, perhaps you  
can get copied then, whatever you care to do, and  
then return the originals. Of Goodenae I  
have a very fine and good material and have  
yet described 3-4 new species from New-Guinea  
and China, that have not yet appeared.

As to the New Guinea - Orchids. A fine set  
is laid aside for you and many more are going  
to be added. I hope you will find duplicates  
for me in exchange. I am very anxious to get  
the best possible set of the Vanda-like - Orchids,  
that you proposed for me. About others, we will  
see later on.



I am glad, that the specimens, that I have  
been looking out for you in the Berlin-Museum,  
have found your approval. Vick, told me today  
about your letter. The Gr. Domingo-Orchids are  
reserved for you. Would you not send some South  
American - Orchids in return to the Berlin-Museum,  
or some Chinese ones?

The Oncidium I will try to determine and  
report upon it.

I have got here at present Reichenbach's  
material of Hombogen, Songora and Scineta  
and if I get properly through it, I will prepare  
the three genera for the Folia.

As to my plans for the actual publication,  
I will write fully about this within a few  
days, when I send my drawings of Epimachis.

Perhaps you can get the genus Golya or rather  
the group Golyeae <sup>(in types)</sup> set as a sample, that  
we might see before the publication, how it  
will come out? What you think about the  
analytical-drawings? We ought to give,  
if possible, an analysis like this for each species.

This much for to-day. Shortly I will write  
about the other questions.

With best wishes,

R. Schlechter.

Now the volume VI. of your Stenographia come out already? It is  
to be published in 1891. Don't you think, it would be best to send the material of your  
to me when it arrives the material of your first volume in the VI. volume of your  
Stenographia?

9. Octob. 1920.

My dear Dr. Huxley!

In my letter of Sept. 29<sup>th</sup> I promised to send you shortly an answer on your questions respecting the Pogonias and the Encidium from Florida.

The Florida-Encidium I have tried to identify, after I have now made carefully an analytical drawing of the flower-details. It is undoubtedly an ally of C. speciosum, but surely a distinct species on account of the very different columnae (especially in regard to the ears of the latter). I think it must be an undescribed species. In some respects it approaches to C. altissimum, but in the callus of the lip is quite distinct, in the latter respect it is surely nearest to C. puberulum and should, I think, be placed next to it, although with these columnae-ears one can hardly place it in the group <sup>Plagi-</sup>~~Encidium~~ diversiculata - obsoletum, but it should be brought into the <sup>Plagi-</sup>~~Encidium~~ diversiculata - expansum. But these groupings, as they are now defined, are very artificial and the genus will need a totally new arrangement in some future monograph.

Now as to Pogonia, as I have written to you already I have been occupying myself with this question of late and have now decided all ready that Glottis and others



have to be separated again. Now after your letter I have examined some more of the species that I had put aside yet as doubtful and now, I think, I can say a little more about it.

The genus Pogonia as understood by Benth and Reichenbach included the following generic synonyms (if we exclude the Uervilia-type, that has actually nothing to do with it): Gleistes, Podonorchis, Dotrin, Colnectis, Triplura and Psilochilus. Of these Podonorchis has been rightly taken out again as belonging to a different affinity, the Calandriniae, an antarctic group. There remain for us the following names: Pogonia, Gleistes, Dotrin (= Colnectis), Triplura and Psilochilus. Dotrin I

have under the name of Colnectis reported in my "Orchideen" on account of the singular leaf-arrangement, which is so remarkable in the whole order, that it should under all circumstances be acknowledged.

As I have told you already, <sup>of</sup> that I was (opinion, that Pogonia and Gleistes are better kept distinct. Now after examining this question more closely, I cannot uphold it. I think Pogonia should include P. ophioglossoides and divaricata, as well as the Chinese-Japanese species, and the Gleistes-set. The difference in the ~~pet~~ texture of the pollen seems to be more gradual, if you dissect the Chinese species, which no doubt is very closely related to P. ophioglossoides. P. divaricata stands



just in the middle between Pogonia-proper and Glister,  
and it is to ~~ex~~ great extent the extermination of this  
species, which led me to think, that the separation of  
Glister and Pogonia is inadvisable. In Pogonia parvula,  
from Glina, I now found the same two glands at the base  
of the lip as in Glister, and I see, that P. vivipara has  
traces of them too.

As to Triphora, however, the question lies very differ-  
ently. This genus should be maintained, and includes,  
besides the N. American T. trionthophora, a number of tropical  
species, of which I will give you the names down below.

As you have pointed out to me, the rigid attachment of  
the anther is unlike any other, but in some of the tropical  
species <sup>the filament</sup> it is not so long, yet there is another character  
in these Triphora, which I think is of great importance.  
Whereas in Dorville, Pand Pogonia, including all Glister,  
the pistil and column is thrown off after the  
fertilisation, it remains on the ovary in the Tri-  
phora. Psilochilus now has got all the characters  
of Triphora and should be united with it, but as a  
distinct section, on account of its habit with rooting  
ascendent stem and the more fleshy texture of the  
flowers, which stand in a wide raceme.





6. T. nitida (Pogonia nitida Yalk.) Costa Rica
7. T. debilis (P. debilis Yalk.) Guatemala
8. T. gentianoides (P. gentianoides (Em) Tyei) Panama
9. T. cubensis (P. cubensis R. & P.) Cuba

§ Exapogon, caule brevi, erecto, nuphris. flore singulis  
bracteolae parvulae protectae, decidui.

- Spec. 3. 1. T. miserrima (Pogonia miserrima Cogn.) Yalk.  
2. T. pusilla (P. pusilla R. & P. & Warm.) Bonaire.  
3. T. Wargneri (Yalk. Ann. ex Panama - ex Wargner.)

Pogonia should include the Bu-Pogonia, from Panama  
Guinn & W. Amer., or second section including P.  
divaricata and a third with Leistes, etc.,  
rather about 30 species.

Dactria containing only two W. American species  
viz. 1. Dactria verticillata R. & P.

2. D. affinis (Pogonia affinis A. D. C.)

Here I have shortly laid down my opinion of Pogonia  
Triplura and Dactria, as I think natural after  
some study of the question. I will not deny, that  
it is possible, that Bu-pogonia and Section II with  
P. divaricata might be separable yet, but until now  
I have failed to find prehensible characters, by which



one can define the limits properly and in such a way, that they might be recognised for in studying the dried material.

As to the Lygoniaceae in their vegetative characters now, some of the species have sometimes one of the roots swollen like a tuber, but these are not like the stipitate tubers of Vreho or Psoralea etc, which have got the bud for the next shoot on their own top or like the tubers of the Gymn oideae consisting of several fleshy nodes or the tubers of the Blechnaceae <sup>consisting of</sup> with the swollen base of the stem with scales or leaf-sheaths. The Blechnaceae besides have folded grass like leaves.

If you care to, or find my views on Trigonum and Lygonia acceptable, you are of course at liberty to make use of them in any way you wish. I would like to know in time your opinion. The changing of the Trigonum and Lygonia affinis we might then publish under joint authorship, if you care to do so. As to Trigonum and Lygonia I have no possibility now to see the original publication. It would have to be found out yet, which was the priority by nomenclature - rules.

I am working out now the following of the groups and I can <sup>for out to be</sup> hope to be able to send those lists to you shortly.

With best wishes In haste

R. Schimper.

November 23d, 1920.

My dear Dr. Schlechter:

Your good letter of October 9th came to my hand about two weeks ago, but I have been so pressed with University work and instruction that I have been unable to settle down to answer it in detail.

With regard to the *Oncidium* from Florida I agree with you that it is not to be confused with *O. sphacelatum*. I once went over it with Rolfe, but he was of the opinion that it would be unwise to attempt an identification until we had seen some of the obscure species preserved in the sealed Reichenbachian herbarium. Since that time I have simply kept the material in mind as one of those problems for which a solution would some day be found.

I have been over your outline of *Pogonia*. Your key needs revision where the persistent perianth of *Pogonia* (*Triphora*) *pendula* is concerned. For this reason: I sent to Connecticut late in the autumn for fruiting specimens and I found that the perianth, while it tends to persist as in *Arethusa*, is sometimes wanting at fruiting time. When I wrote to you the first time about this character I had not seen sufficient material.

I am just about ready to settle down to work on some group that I can finish up promptly. As yet I have not completed the task of moving my herbarium from the country to the city, but I fully expect to get everything in hand next week. Then I intend to co-operate with you to the fullest extent of my powers. I have temporarily misplaced the manuscript of *Grobya*. I had it in hand when I was packing up my materials for transference to my Boston house. I either put it with papers that were overlooked when I moved, or I have it here in some place that I have not searched. I am sorry about this as I wanted to give the manuscript into the hands of some printer for a trial proof. I am now planning to go to North Easton next week and while there I must make a concentrated forage among my laboratory papers.

To-morrow I will send you the sixth volume of *Orchidaceae*. It came from the printer recently and I am now ready to distribute copies to my friends. I think you will be pleased with the Mt. Kinabalu orchids and with the other species that make up the book. There are twenty-one plates to help you out where the descriptions may not give all that is necessary for an identification. I am reserving for you SET NO. ONE of the Mt. Kinabalu orchids. That should be very welcome news as this set is a very good representation of the collections made by Clemens and contains many new species.



My Kinabalu orchid list includes over one hundred species collected by Clemens that are new and distinct. This will give you some idea of what to expect in the way of exchange when I send you the set of duplicates that has been reserved for you. I also have a large number of Philippine orchids ready. Although these include species that you already have, many of them are duplicates of collections that were limited to a few specimens and represent extended distribution. Extension of range is of very great importance in herbaria of Philippine species. This I know you realize as fully as I do.

I am writing to-day to Dr. Diels asking him to send to me in part exchange some specimens of economic plants for my class-room herbarium. I have to teach the botany of tropical medicine as well as economic botany and it is necessary to have material that represent the poisonous plants of the tropics that are used either intentionally or accidentally with serious consequences. There are a number of drug plants, too, that I want to represent. Undoubtedly the Berlin Museum has duplicates from Africa that would give strength to my collection. If you can help me in any way in this department of science I hope you will do so. My course in tropical medicine begins shortly after the first of the year.

Prof. Merrill has been spending several days with me. He has asked me to send to you direct the duplicates of Philippine orchids that would normally be set aside for you, the exchanges for these to be sent directly to me here for my collection. I will also set aside a set for the Museum. Will you please inform Dr. Diels of this when you see him and ask him to consider the Philippine material I send him as exchange material for my herbarium.

I have not yet had an opportunity to work on the *Spiranthes* specimens you sent to me. They were more welcome than I can explain to you. I have also received a series of specimens from New Zealand that I am anxious to examine in connection with your remarks regarding the rostellum. I am not yet convinced that we have arrived at finality with regard to the *Spiranthes* question presented by the Asiatic species. I am not yet ready to follow your conclusions because I have seen how puzzlingly variable *Spiranthes* can be even in the same field. This summer I worked out the variability of our common *S. cernua*. I found that variation was in large measure due to the number of years old the plants happen to be! I studied the species from the seedling stages through plants that exhibited signs of many years of growth. This study explained why it is that in the same field one can find specimens that seem to represent well marked varieties. I worked on *S. gracilis* too and found that the same rule holds good with regard to that. Merrill from his observations of the Philippine and Chinese plants\*\* he has seen is inclined to adopt my views with regard to *S. sinensis*. I have just finished conscientious studies of the material in our National Herbarium, The Gray Herbarium and the Herbarium of the New York Botanical Garden. My assistant went over the same ground independently and arrived at the same conclusions that I did.

\*\* (Specimens in the field.)



I am now waiting for your genus groups and key. When this arrives I will select some of the genera that I am in a position to take up now and let you know what to expect from me in the near future. I am not yet clear in my mind as to the best form in which to begin publication. Perhaps an interview with one of our best publishers will bring much needed light. In the meantime I would welcome from you any suggestions that you may now have to offer.

Merrill while he was here referred to a paper that you had published on Polynesian orchids. I do not remember to have received this from you. Please send it as soon as convenient as I expect to have some Polynesian orchids to work up in the course of a few weeks.

I envy you your opportunity to examine the Reichenbach herbarium. If you note anything worth while with regard to Philippine orchids I wish you would keep me informed. There are several of the obscure Reichenbachian species referred to in my work in Orchidaceae that I would like to get notes on if not sketches or photographs. Perhaps you can get sketches or photographs made for me. I will send you the necessary funds to pay for any such work that you can have done for me.

I have not yet received from Dr. Kraenzlin descriptions of the new Philippine orchids that he has recently published. If you see him I wish you would ask him to bear me in mind. He has usually forwarded his publications, but this time he has forgotten me.

Yours very sincerely,

Dr. Rud. Schlechter.  
Berlin.



355 Commonwealth Avenue, Boston, Mass.  
December 10th, 1920.

My dear Dr. Schlechter: In my last letter I referred to the fact that I had temporarily misplaced the manuscript of *Grobysa*. Day before yesterday I went to my country home in North Easton and found the manuscript. I intend to take it to some printer or publisher to ascertain what it will cost to produce the *Folia*. Just as soon as I obtain satisfactory figures I will submit them to you and we can begin to get out the work. It would be well, I think, to have several genera ready before we start publication. Do you not think so? It will also be necessary to have in hand at the start a keyed synopsis of the genus groups. Will you please attend to this at once and send me your version as soon as possible. I would suggest that we publish the synopsis as a temporary or rather tentative introductory chapter, this to be so produced that subscribers or purchasers of the *Folia* can make such additions or corrections as become necessary during the production of the work. Later, or at the hoped for conclusion of our task we can prepare a final synopsis.

My class work for the University is beginning to ease up now, and I intend to take up some small group as my first contribution to the *Folia*. I have in mind *Isotria* as a beginning because I did good work on the species this summer and as I have good drawings ready and very good notes made in the field. Just as soon as I settle down to my task I will send you a list of the genera that I have in hand.

In your orchids of Ecuador published in Fedde XIV (1915) 131 you describe *Pleurothallis Millei*, and then again in vol. XV (1917) 436 you publish another species of *Pleurothallis* under the same name. If you have not already noticed this you will wish to correct the duplication in a forthcoming publication.

If you have duplicates of tropical American *Triphoras* I would like very much to have them as I want to take up this group in the *Folia*. I would also like to have any other duplicates that you have ready for me. I am taking the liberty of sending to you a draft for a small sum of money that will reimburse you for postage. This will go under separate cover. As I am going to have more material for the Berlin Museum I hope you will help me to exchanges that will strengthen my herbarium in special groups.

When you have the opportunity I wish you would give me a detailed statement of your views as to the financing of the *Folia*.

Have you a list of the Lehmann numbers of *Pleurothallis*? I find that I have a large number of unidentified species and if you have worked up this Lehmann material I would welcome the saving of time to me that a list of your identifications would make possible.

I have been working recently on some British Guiana orchids for the Gray Herbarium. Among other interesting things I have what seems to be a new genus. I will send you some sketches and a flower so that you can have a record for your herbarium. When

Dec. 10th, '20.

you receive this material I would welcome your opinion of it.

In January a friend of mine is to start on a collecting trip through Colombia. I have offered to pay the expenses of a botanical collector who will accompany him and gather material for me of orchids and economic species. If this plan comes to anything I will send you a set of duplicates. I have other co-operative schemes in mind and you may depend on me to share with you if I receive material in duplicate.

By this time the sixth volume of Orchidaceae must have reached you. I hope you will find the work helpful and worthy of praise. I have set aside for you the first set of duplicates of the Clemens and Haslam specimens. There must be nearly two hundred specimens in the set. I also have a set of the plates ready to send off to you. These will be of interest for your herbarium.

I understand that Rolfe is about ready to retire from the Kew staff. About a year ago he wrote to me about this and suggested that we might co-operate in some way with regard to orchid work. I have not heard from him since. But I expect he will keep me informed of his plans.

Yours very truly,

C. L. C.

Dr. Rud. Schlechter.  
Berlin, Germany.



Dr. Rudolf Schlechter  
Berlin-Schöneberg  
Neue Culmstr. 5a.

12. Dec. 1920.

Received Jan. 23, 1921, Lilla 7 Jan. 0. 154  
was received under B

My dear Dr. Stiles!

Best thanks for your interesting letter of Nov. 23. I was already getting a little impatient, because there were no answers from you on my last letters. In the meantime I had worked out the list of the Vichon-groups and genus and the key to the system, but was waiting to send it off, until your reply came. I am sending this manuscript on to you now. I think, that you will be satisfied with it, as there is a great lot of labour and the result of hundreds of analyses contained in these few pages. This manuscript we ought to bring, I think, with the first part, that we publish of the "Folia". It should serve as an index for the numbers of groups and the genera. There will be, of course, while the work progresses, some alterations needed, but we have to give first a general review, how we expect to get the genera arranged. I have myself furnished with a lot of preparatory

sions, that I can bring out several genera very soon. I only wait until you tell me, that every thing is ready to go ahead.

As to the list of genera, you will perhaps be kind enough to see, if you miss a genus? I do not think, that any are missing, but perhaps there might be one or the other publication, that I have not seen during the last years. If you find any, please insert them and get the numbers shifted. Any new genera, that will appear then, after the publication of this list, would have to be inserted with a, b, c. etc. numbers. You will see, that a good few alterations are made in my new compilation of the group. The system, as I propose it here, seems to be a natural one and, although the one or the other of the groups might have to undergo a change, I think generally it will stand well for the order. There is one question, that has troubled me several times. I am almost convinced, that the Diandrea should be treated as a distinct order Euphorbiaceae, however I am not yet quite ready to propose it.



Dr. Rudolf Schlechter

Berlin-Schöneberg

Neue Culmstr. 5a.

Under N<sup>o</sup> 563 you will find a genus Amesiiella.  
This I have taken the liberty to name after you;  
it is supposed to contain the stygonecoid phalippin  
nense ones, which is quite distinct from any of  
the stygonecoid-genera. The question now arises,  
if, in giving the list of genera, we ought to  
give to each at once the synonyms? I myself  
think, it is perhaps not needed, these synonyms  
will mostly be easily found out from other  
works. If, however, you would prefer to have them,  
you could perhaps get them added from my book  
"Die Orchideen", where they are nearly all enumerated.  
Rsd.

The chapter I. "Das System der Orchidaceen" could  
perhaps just as well be printed in English as well  
as in German, as it is only short (about 3 pages  
print), it would not much matter, if it appeared  
in both languages. If you are of my opinion here,  
you could perhaps get it properly translated?  
As the key for the groups is altogether written  
in Latin, it will serve well generally.

You will see too, that I have kept separated  
Destructivism and Acridism. This is, I think,  
needed.

About the other items in your letter I will  
write in the course of this week. There are  
quite a lot of questions yet to settle and I will  
not bother you at once with too long a letter.

The manuscript I am sending off, <sup>registered</sup>  
to-morrow. I hope you will let me know at  
once, when you have received <sup>it</sup> (and, if possible,  
let it go to the printers, soon that we might  
have the lists at hand again soon.

The general "Preface" for the "Folio", if you  
think such a one needed for the first part,  
you will be perhaps kind enough to write.

I wonder, how you will like the manuscript.  
I think myself, with it we have got a little step  
ahead in the system.

So you will hear more in a few days in  
answer to your different questions.

Yours truly

R. Gleicher.

My best wishes for a merry Xmas and a happy  
and successful New Year.



Dr. Rudolf Schlechter

Berlin-Schöneberg

Neue Cölustr. 5a.

17. Decemb. 1920.

My dear Dr. Ames!

I had to postpone a little the sending off of my manuscript on the System of Orchidaceae. It is however going off now, as a registered Manuscript. Will you be kind enough to let me know at once, when you have received it?

Now, after you have received the arrangement of the groups and genera, I hope, that we can soon start with the printing. As soon as I hear, that everything is ready, I will put myself to work.

As to the ways, how the printing could be done, I have no new suggestions to make, as I have put all these already down in my different letters. When we have got the first sample-proof sheets, we will be able to judge best, and besides I know, that

I can fully trust all these arrangements into your own hands. We have a heavy but worthy work before us, when we start with the "Tolia", and as it will take many laborious years to finish with this work, we must not lose too much time to start.

The work we contemplate to take on us, is a task, that has been the ambition to do of several botanists. Let us show the world, that we are the right men for it, and not only to try to do it, but to do it in such a way, as it should be done.

As I have written already in my chapter on the "System", it is only natural, that during the progress of the work, when we yet to know all the species, some changes will be yet needed, but I think, that we are not very far now from the proper natural system of the Orchidaceae. When we are able to finish the whole family like this, we will have finished the biggest "Monograph", that has ever been undertaken, because I am sure, that the Orchids contain



even more species than the Compositae.

Now I have to write about some other points, as to the Reichenbach-Herbarium. I propose to you, that you should draw up a list of these Philippine-Orchids and of some species of the groups, on which you would start in the "Folia" first, ~~at~~ of which you wish to get analyses or analytical drawings, ~~even~~ finally sketches or photos of the types in the Herb. Reichenbach. You could then send me back over to Vienna for some days and I would be on the spot, what is needed. Knowing the genera, as I do, I could see to find out properly the chief points of the species in question. This would be the cheapest and the quickest way to get these questions settled. Where I would see a chance, I could then perhaps treat with the authorities to get now and then a flower of the type (and <sup>for you</sup> otherwise send the information that is required).

Wherever types are concerned, that I am deposited in my own herbarium, you can reckon with all the goodwill possible. I will not only get the analytical drawings get copied for you, but I will send you flowers, whenever there is any possibility to do so.

Now another item. As I have written to you already, my manuscripts with the contributions of the Orchid floras of Ecuador, Peru and Bolivia are ready for print since a long time. Printing costs have however got so high here on account of our bad weather, that Fedde has no funds to go on with the publication. The ~~whole~~ three parts together would amount to 30-40 sheets (16 pages each) printing and at the present state of our weather this would roughly cost about 450 Dollars. As these publications largely contribute to the knowledge of American Flora, I thought, that this sum could perhaps be subscribed by the American Museum or by one of the



booksellers-firms, who would get it repaid  
in copies of the whole publication. Would  
it not be possible for you to help me in  
this matter by recommending me perhaps  
to some firm or by getting the subscrip-  
tion together? As soon as we have got  
any money at hand, the printing would  
go on. You would really forward the publi-  
cation very much, if you could help here.

You must excuse me, that I have not yet  
forwarded you the list of determinations of  
Lehmorum Orchids. I got it copied already  
some months ago, and it is lying on my <sup>writing</sup> table since then, only I have yet to look through  
all my Colombian-Orchids to make the entries  
out of all the later determinations. Perhaps I  
will find the time during the Xmas-holiday.  
As to the Lehmorum-Orchids, that you do not  
find in this list then, I would propose, that

you send the list to me, and I will determine  
them. The novelties we can then describe under  
combined authorship as we have done with the  
Wilson - Orchids. Would this proposal meet with  
your approval? I think, it would save you  
time and give you the collection back all-  
determined. The manuscript I would then draw  
up and then send it to you for publication in  
the next part of your Orchidaceae. If you  
agree to this, wait perhaps until you get the  
list, that only the really undetermined num-  
bers need to be sent.

It has as usually become a long letter, yet  
I could not help it. I propose to you, that we  
draw up together our article on the question  
Acoridium and Dendrochilum and then shift  
the names where needed. My notes I will put  
together in the next weeks and then send them  
to you. Acoridium will be a large genus,  
<sup>as it appears</sup> exclusive to the Philippines.

Hoping to hear soon again from you

Yours very sincerely

A. Schlechter.

When my attention to your letter. It has just come in. It is very inter-  
esting. I will write more about it next letter. It is exclusive to the Philippines.



(A)

355 Commonwealth Avenue, Boston, Mass.  
December 22d, 1920.

My dear Dr. Schlechter:

Just a few words to wish you  
a Merry Christmas.

I enclose a small photograph  
and two flowers of my new genus from British Guiana.  
Please let me have your opinion of it at your early  
convenience.

Among some specimens that came  
recently were several *Spiranthes* from New Zealand. I  
examined these this evening and found that the rostellum  
was not developed. This observation agrees with  
yours. This is rather an interesting deviation. Are we  
to regard it as of specific importance where the other  
parts of the flower are so nearly in agreement with  
*Spiranthes sinensis* et al.? Is this a comparable case  
to my *Epidendrum cochleatum* var. *triandrum* from Florida?

My classes end on January 27th  
and from that time on I expect to give my undivided  
attention to orchids. Just at present I find it very  
difficult to prepare lectures and at the same time do  
good work in the herbarium. I have at last moved my  
entire collection to my city house and I am ready now  
to handle several problems that have been held in the  
background.

I have arranged with the Canton  
Christian College to develop our knowledge of the orchids  
of the provinces round Canton, China. I hope this will  
bring in duplicates for exchange with you. I also hope  
to obtain material from Colombia through an expedition  
that starts south in January to be in the field a year.

With best wishes for Christmas  
and the New Year.

Yours sincerely,

Oakes Ames

Dr. Rudolf Schischter  
Berlin-Schöneberg  
Neue Culmstr. 5a.

1. Jan. 1921.

My dear Dr. Ames:

Best thanks for your interesting letter of Dec. 10<sup>th</sup>, which reached me the day before yesterday. To save time, I will answer it at once.

With greatest interest I see, that you intend to take the question of the "Tolia" into your hands now with energy. As soon as the preliminary preparations are finished and the work is started, I am sure, that will go ahead quickly enough. I could produce many groups of quite a number, even of medium-sized genera, since I have been preparing such work for years already. I have for instance finished all the Polychondrone of our stock, in which my hobbyism is very strong. Every species nearly is analysed and drawn up there, and besides there are very many other genera nearly ready, like Plectra, Erigone, Chysis, Aspropyllum, nearly all the Porene and quite a lot of African genera. So you see



that we have got material enough, to start on.

Now to your letter. Of the Groby - sheets I will be glad to receive the proofs as soon as they are ready, to see how the whole will turn out.

On the 12<sup>th</sup> Dec. I have written to you and dispatched the manuscript with introduction of the System and Groups as well as the complete list of genera. You will see that my letter will answer already quite a lot of your own proposals and for this I am especially glad, because it shows, that our intentions about the work are agreeing in every detail. If we publish, as I proposed, these introductory notes in English and German, we will, I think, have nearly sufficient manuscript for a first part. I myself would suggest, that the parts we bring out, should consist allways of 3-5 sheets, of 16 pages each, that is, every part should contain about 48-80 pages, but the genera should be arranged in such a way, that their leaves could allways be handled separately, as long as they do not belong to one Group. That is to say, they should be given out in the same way, as was done with

the *Folia* of Linsley. At the base of the first page of each genus and, if it consists of several sheets, at the base of each sheet-first page, should be given the exact date of its appearance or publication.

The work will be needed for all the larger herbaria and larger libraries and besides we must reckon with a fair demand amongst Orchid-owners, therefore the best would be, to fix a certain price for the sheet in subscription (or a special one, if any parts are bought singly, which however should be restricted to a very limited number of copies). The amount, that is to be charged for each sheet in subscription is, of course, a simple question of calculation of the publisher, and will, of course, much depend upon the amount of illustrations, that we will bring in the book. However, as to the latter, I would much welcome it, if we can be very liberal. The ideal would always be of course, to give, if possible, an analysis of each species and of each genus and section a figure representing the habitus.

The duplication of Pseudobulb. Milleri Zelt. I had discovered already, in my Review of the Orchid-



flower of *Cewistor* I have changed the name already.  
I wish only, I would be able, to go on with the printing  
of these "Orchid flowers of the American Cordillera-states".  
About this I have written already in my last letter.

I got quite a number of Tropical-American Triphora  
but unfortunately the material is always very scanty.  
I can get you sketches made of all of them and  
get my analytical drawings copied for you. This  
would certainly not cost very much here, even  
nowadays.

The new genus from British Guyana will cer-  
tainly interest me much. I wonder, what it will  
be like. Most probably you have got already the  
specimens, that I sent out lately, in which my  
new genus Neobrettellia from Brit. Guyana and Brazil  
is contained. If you will send me a sketch of your  
plant and a flower for analysis, I will gladly let  
you know my opinion about your plant. As to the  
genus I am now, I think, so far, that in most ca-  
ses I can tell at once, what any Orchid is, as soon  
as I have had a look at it.

The list of Lehmourus-Orchids, as far as I can revise  
it, I will send you in a few days.

Wishing you an successful New Year

Yours truly

R. Schlechter.

355 Commonwealth Avenue, Boston, Mass-  
January 8th, 1921.

My dear Dr. Schlechter:

Your letter of December 17th came last night. I am delighted to learn from it that the last volume of Orchidaceae reached you in good condition and that you find it interesting.

<sup>agree</sup>  
~~I agree~~ with you that we must push forward our work on the orchid monograph and get the first part out before the public at the earliest possible time. I am ready to give my attention to the work and I will communicate with you again soon to let you know how I am getting on.

Now with regard to Dr. Pedde and the monographs of the orchids of Ecuador, Bolivia Etc. I can advance \$450.00 out of my own pocket and if this suggestion meets with your approval let me know and I will send you the amount. If you approve of the suggestion perhaps you will see to it that I receive my copies on a very high grade of paper. I will give orders to have one hundred dollars sent to you to-morrow. When you receive this you can start printing and the balance will be forwarded when I hear from you that my suggestion is welcome. I am very anxious to help orchidology in every way and it is a great pleasure to hasten the monographs to which you have referred. Perhaps you will help me by sending me some material, sketches of types etc. that will be useful in my herbarium. I will consider this an ample return for my help in getting the monographs published.



Now with regard to the Reichenbachian Herbarium. There are many Philippine species referred to in the fifth fascicle of Orchidaceae under Habenaria, Coelogyne etc. described by Reichenbach of which I would like to have sketches. Some of these we know perfectly well, but I have a keen desire to possess records of all of them.

*Habenaria aristulifera*

*Habenaria folcigera*

*Habenaria ponerostachys*

*Habenaria tipulifera*

*Coelogyne marmorata*

*Dendrochilum magnum*

*Dendrochilum pumilum*

*Dendrochilum rhombophorum*

*Pholidota triotos*

*Ceratostylis retisquama*

*Calanthe lyroglossa*

*Dendrobium auroroseum*

*Dendrobium Bullenianum*

*Dendrobium cerinum*

*Dendrobium metachilinum*

*Dendrobium modestum*

*Dendrobium profusum*

*Eria brachystacya*

*Eria rhodoptera*

*Eria ringens*

*Bulbophyllum braccatum*. Detailed sketches of flower etc.

*Bulbophyllum antenniferum*

*Bulbophyllum auratum*

*Bulbophyllum balaeniceps*

*Bulbophyllum saurocephalum*

*Grammatophyllum Wallisii*

*Luisia valida*

*Saccolabium pumilio*

*Cleisostoma ringens*

*Sarcanthus stiolatus*

*Cleisostoma subviolaceum*

*Cleisostom vitellinum*

*Trichoglottis atropurpurea*

I think this list will give you a fair idea of the species  
I want looked up for my herbarium.

You ask about what groups I intend to begin with for the Polia. I have had in mind the Elettillinae and if you can send me material of Elettilla to begin with you will help wonderfully. I believe you added to this genus in your work on the Sino-Jap. flora and of course I lack the new things. I also want material of Pogonia and Triphora. Notes on Reichenbachian material in connection with any of these things will be most helpful.

There are many things to write about, but as I am now called on to prepare a paper for a lecture to-morrow afternoon I must bring this letter to a close.

With the best wishes of the season,

Yours sincerely,

Charles D. C. C.



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DEBIT

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Customer

Yes — No

By W. H. H. H.

ETD 355 Commonwealth Avenue, Boston, Mass.  
January 10th, 1920.

My dear Dr. Schlechter:

I am enclosing a draft for \$210.00 toward the cost of producing your papers on the orchid flora of South America. Ten dollars of this amount you may use to defray postage on specimens. I realize that postage on large packages is expensive and I do not wish to draw on your funds for this item. In my letter to you of the 8th January I explained the basis on which I am sending you this money. It is purely for the benefit of our science, but as you may feel that you are in a position to help me with my work I have suggested a means of repayment that may not be wholly beyond the bounds of reason. I will send to you \$250.00 more when I hear from you that my proposition is acceptable to you and to Dr. Fedde.

There is one other thing that you can do for me. I would like to have a list of the Wilson numbers pending the return of the specimens that I loaned to you.

I believe I have already informed you that the paper on Grobya came to light and that it is now being used as the basis for an estimate of printing costs.

I am much interested to your reference to Nabalua. I would like to have a sketch of the second species.

Yours very sincerely

Oakes Ames.



in your proposal to visit Vienna for purposes of study in the Reichenbachian Herbarium. Let me know what the costs of such an enterprise will probably be and I will be glad to help out to the full extent.

By this time you will have received the draft for \$210.00 that I sent to you. It will be a pleasure to know that this will help in the publication of the South American papers.

Since the war I have not attempted to complete my files of *Orebia*. What is the status of this periodical? I want to keep this work up to date.

I have no material of your new genus *Neobartlettia*. I would like to have some representation of it in my herbarium.

My last lecture for the year comes on Tuesday next so that I will now be able to try to catch up with you in the preparation of manuscript. I suppose this will be a ~~thorough~~ less undertaking as you seem to have had the *Folia* in mind for some years and have used your opportunities to the best advantage. Have you considered the advantages of getting Rolfe to help out in the work. He must have a pretty large acquaintance with some of the groups and his aid would give the *Folia* a decided impetus toward the clearing up of some of the technical groups in which he has been interested through many years.

Your very sincerely.

Oakes Ames.

19. Jan. 1921.

My dear Dr. Sues!

Only to-day I got your letter dated 22. Dec.  
with the photo and two flowers of the supposed  
new genus from Swaynam. The plant is *Stygnis*  
*in pulchella* Zoll. For this compare my article  
*Stygnis in und ihre Verwandten* in "Orbis" 1918.

I have sent you an offprint of it. I write in  
haste this card, that you might not perhaps  
publish the plant in the meantime. I hope you  
will have got my letter from 12. 17. Dec. and



# Postkarte

1. You. I am very anxious  
to hear, what you think  
of my proposals. I will  
write more fully soon.

With best compliments

Yours sincerely

R. Schlechter.

**Dr. Rudolf Schlechter**

Berlin-Schöneberg

Neue Culmstr. 5a.



Dr. Charles Ames.

355. Commonwealth Avenue

Boston, Mass.

United States North America.

355 Commonwealth Avenue, Boston, Mass.

January 22, 1921.

My dear Dr. Schlechter:

I find that we do not have here volume XXX of the publication in which Krenzlin publishes the Philippine orchids of which you sent me a list some time ago. Our files stop with the year 1913 and have not been completed since the war. Do you suppose you could obtain the Krenzlin paper for me. He has not sent me any of his reprints lately and I am at a loss for the descriptions of his new species.

Your letter of January 4th arrived last night. I have no report to make on the Grbya article. I had to have it transcribed. It is now in the hands of a publisher for an estimate of costs. I have taken a few liberties with the manuscript. But these will not disturb you. For example, in abbreviations of authorities I like to have the vowels used where possible. Lindl. for Lindley rather than Ldl. Reichb. instead of Rehb. I am also establishing a uniform system for the citation of books. If you continue to send your manuscript in your own hand writing I wish you would be very clear as my stenographer finds the transcription difficult although he knows his German and Latin well.

Your suggestion regarding the copying of your analytical drawings meets with my full approval. I will be pleased to defray expenses of having photographs made of your new genera etc. You may use your own judgement in this matter although I think it will be well to limit the first experiment to one hundred dollars. If you will let me know that this meets with your approval I will send you a draft when I hear from you. I am also interested



27. Jan. 1921.

My dear Dr. Ames!

To-day I received your welcomed letter from Jan. 8<sup>th</sup> and the letter from Jan. 10<sup>th</sup> with the cheque enclosed. Accept my sincerest thanks for this great present, which will enable us to continue with the printing of the "Archiv für die Geschichte der südamerikanischen Völkerverhältnisse". All your conditions I accept very willingly and you will see, that the money will be well applied. If you will be so generous, to forward another 250 dollars for the finishing of the work, you would indeed put me into great obligation to you.

We will start at once with the printing of the part III. (Bolivia) of the work. The manuscripts of all the remaining parts (Peru and Bolivia) are finished too. I have only to add yet a few novelties, that I have received since their completion. The copies for you I will get printed on a very good paper and hope, that I will be

able, to satisfy you in this respect.

The duplicates, that I have put aside for you, I will send off soon and, besides, I will at once return too the specimens of the Chinese Orchids. Of New-Britain Orchids there will be heaps of further specimens coming, when I continue the distribution, which will be in April. ~~It~~ Owing to the want of coal, we are in our lodgements not able to heat all the rooms and for this reason such work I must always postpone for warmer days, when the room, where I got my duplicates lying and where only I can do this distribution, is warm enough.

As to the Philippine-types in the Reichenbach-Herbarium I will see, what I can do. I am however not sure, if they will send them over to Berlin. They have hardly any help in Vienna and therefore no possibility to look out the single specimens, I therefore ask always for the different genera. However, I will try, what can be done, otherwise you must have patience untill I get a chance to go over myself once to Vienna, when I promise to settle everything at once.



I will look through my materials and see what  
I can do in the way of material of the Blethill-  
nae. Of Blethilla I have lately described 3 more  
novelties, that I found in the collection of  
Dr. Kimpriht from China.

I have written to all my correspondents  
for material of Tojvair and Triphora.  
Of my own novelties I could get you perhaps  
sketches made and copies of the many ana-  
lytical drawings, that I have got of the  
group.

Have you not yet got my manuscript with  
the key to the groups and the enumeration  
of the Genera? I am very curious to hear what  
you will say about it. I am convinced, that  
with this not a bad piece of work is done and  
that it is a good introduction of our "Tolia".

If we could step before the public with  
the publication and advertising of the first  
part of the "Tolia" in April or May it would  
be very good, and, after we are really going  
or rather have started, you can depend upon it,

that you will receive from me regularly new  
manuscripts.

I am expecting to hear from you yet in the course  
of this week, that you have received the manuscript  
of the introductory chapter. In the manuscript of  
Gröben you will be perhaps kind enough to insert now the  
number of the group and of the genus itself. As to the  
names of the groups, you will see that instead of  
the end-syllables "iinae" I have always written "eae",  
i.e. "Pucidiinae" instead of "Pucidiinae". This is done  
in concordance with the names of the other groups  
in all the other orders in the *Plantenfamilien* as well  
as in *Bot. & Bot. p. Gen. Plantarum*. I fitler made a mistake  
in doing the end-syllables "iinae". They are used for the  
subgroups, whereas I fitler has reversed this.

With best compliments and once more  
many thanks for your generous help for getting  
my work.

Yours very sincerely  
R. Schlechter.

3. Febr. 1921.

I have kept this letter back, in the hope to get a word  
from you concerning the manuscript, but as nothing  
has come until now, I will send it off. I hope you have  
received the manuscript all right?

Yours very sincerely  
R. Schlechter.

During the last few weeks I have looked out for you a lot of specimens of *Leontodon*  
and *Alchemilla* from the vicinity - especially in the *Reichen-Monten*. I.e. a good lot of *Alchemilla*



255 Commonwealth Avenue, Boston, Mass

January 23th, 1921.

My dear Dr. Schlechter:

Your manuscript of the System and Orchid Groups arrived yesterday. I have hardly had a chance to look at the work carefully, but I noted the number of genera included and felt a bit discouraged at the task it will be to define these so that future generations can tell where one leaves off and the other begins. You have omitted *Spathiger* Small based on *Epiderdium rigidum*, *Auliza* Salisb. which Small recognizes, *Epicladium* used by Small for Encyc. Boothianum, *Anacheilium* Hoffmg. and *Nidema* Britton for Encyc. Ottonis. Surely you do not wish these added to your list of genera, and yet, if we are to be consistent I cannot see how we can pass over the work of Britton and Small. I also note your use of the "l" form of the genera of the *Cypripedilinae*. I was discussing this matter of genera, poorly conceived orthographically by their authors, with Dr. E. L. Robinson, for whose opinion with regard to the niceties of usage I have a very deep respect. He was emphatic in holding that we have no botanical right to make changes in the spelling of these genera. I also note that you retain *Paphiopedilum*. For this group should we not take up *Cordula* Raf.? And what about *Pissipes* for *Cypripedium acaule*? I saw the other day a publication with regard to the soil conditions that prevail in the homes of our native orchids of New England and the author found justification for *Pissipes* as a genus because it differs in its soil requirements from the other *Cypripedia* of our local flora! I have a strong feeling that the literary sources of the genera should be given if you will agree to this I can have my assistant add the references.

I note that you have not picked up *Kingiella* for *Doritis*.

I have felt for a long time that the *Cyrtopodilinae*, or rather the *Diandreae*, should be regarded as a distinct family but I have hesitated about proposing this as I have been of the opinion that tribal worth perhaps gave us a wide enough separation to emphasize taxonomic differentiation. Surely if we take out *Apostasia* et al. we ought not to hesitate about the *Cyrs*. If the recognition of groups is to help toward a simplification of classification, then the removal of the *Cyrtopodilinae* will be a help. There is a tremendous jump from the *Cyrs* to the grand alliance of orchid genera that we refer to the *Vanandreae*, and I always felt this very keenly in my orchid houses. Aside from structural characters there is what I call an aura, or subtle emanation, from the true orchids that sets them aside from the *Cyrtopodilinae*. I would rather recognize the *Cyrs* as a family than take up *Platanthera* as distinct from *Habenaria*. And here again: what about *Lianorhiza*, *Piperia*, *Calceorchis* and similar conceptions?

I note that you keep up *Microstylis* as a generic name. If we follow the Vienna rules, and that we surely should do, *Malaxis* should come up for *Microstylis* and *Hemarthra* be used for the species formerly referred to *Malaxis*. I know that Smith thinks otherwise because of the numerous changes that are involved, but we have no right to go contrary to rules that were created to make nomenclature an international language. Rendle has adopted *Malaxis* for *Microstylis* so has Britton. *Physurus* was published as a genus ~~new~~ and should be replaced by *Erythrodes*. I realize that you separate the former *Physurus* species of the eastern tropics from those of the western tropics. Whether or not this distinction holds the nomenclatorial details must have attention.

These are just a few of the observations that a very



hasty perusal of your manuscript has brought to my attention. I intend to have the whole thing transcribed and I shall then have time to go over it in detail. I know we wont agree on many things, but it will be amusing to thrash out our opinions as we go along. It would be queer, indeed, if we failed to profit from a frank exchange of our views.

You might take up the points raised in this letter and let me have a few lines from you with regard to them.

Just at present I have been working on mycorrhiza in our native orchids and I expect to have several papers ready before the end of the winter. (If you can pick up a copy of Reissek's Endophyten der Pflanzenzelle in any of the second hand bookshops I would like to add this work to my library.) *Aplettrum*, *Hexalectris* and *Corallorrhiza* come into my studies and I will work these genera for the *Folia* if you have no prior claim to them. I have been much interested in the winter stages of *Aplettrum*. I had several fine specimens brought in that were collected in December. The leaves are very beautiful in the fresh condition. They ought to make interesting subjects for anatomical studies.

*Pogonia mexicana* of Watson appears to be conspecific with *Isotria trianthophora*.

I realize that this letter would have been easier to digest had I thought out what I intended to say before I sat down to the typewriter. However, when I began I really intended to stop after informing you of the safe arrival of your manuscript.

I sincerely hope that the draft got to you and that it brought with it a ray of sunshine.

Please accept all good wishes for yourself and your family.

Yours sincerely,

Walter C. Coker

P.S. I have been thinking seriously about the title of our book. Do you not think that it leads to confusion? I am going to think up another name and submit it to you. Perhaps you will consider a change of title if you agree with me.

W.C.C.

355 Commonwealth Avenue, Boston, Mass.)

January 31st, 1921.

My dear Dr. Schlechter:

I do not find reprints of your articles in *Orchis* for June 1914 p. 57, July 1914 *Pleione*; Feb. 1913 *Calanthe*, March 1913 *The Genus Xylobium*. I would like to have these for my herbarium. My set of *Orchis* stops with the fifth number of 1914 (July).

I enclose a rough drawing and two flowers of an *Epidendrum* from Venezuela.

I have been very busy getting my periodicals and pamphlets ready for binding. Since the war began I have done nothing toward completing my files and I find many gaps in my foreign subscriptions. The price of binding has been prohibitive and even now one hesitates before ordering anything done in leather.

If you have duplicates of *Acriopsis* I would like to have them. This genus has interested me very much recently and I think it is one that I would like to do for the Monograph. If you have no objections, of course!

My "new genus" turns out to be an *Aganisia*. I have a *Pleurathallis* from British Guiana, however, that seems to be undescribed. I also have two species of this puzzling group from Trinidad that I cannot trace. One is very much like *P. rhomboglossa* and the other belongs to the same alliance as *P. fimbriata* Rodr. and *P. Josephinum*<sup>P</sup>. The Wright specimens of *P. rhomboglossa* from Cuba are larger than the Trinidad species.

Yours sincerely,



355 Commonwealth Avenue, Boston, Mass.

February 9th, 1921

My dear Dr. Schlechter:

I hoped before this to be able to give you a definite report on the plans for the publication of the Folia. The trouble at present seems to be bound up with the difficulties of compositors who are able to set up Latin, English and German. I expect some definite information by the end of this week.

Have you omitted *Arisanorohis Hayata* on purpose from your list of genera? I find, also, that you have dropped *Arnotta*. I agree to this.

Would it not be better to make more use of sub-genera? *Blephariglottis Rafinesque*, for example, would be best kept as a sub-genus. I feel very strongly that there is great danger of going too far in the multiplication of closely allied genera. It seems to me that your list of genera places too heavy a burden on convergent evolution. I have begun to examine the genera in the light of your arrangement and I expect to be able to go into details in another letter. It will take time to examine the situation in a thoroughgoing manner and I feel that we should withhold the list of genera until I have had an opportunity to check every step.

I enclose records of a *Pleurothallis* species from British Guiana. Perhaps you will be kind enough to examine these and see if they suggest some species that I have overlooked.

I am very anxious to have records of all of your new genera. Please help me in this direction as soon as possible.

Yours sincerely,

*Charles D. C. Jones*

9. Febr. 1921.

My dear Dr. Ames!

Your welcome letter, dated Jan. 22, arrived here a few days ago. Many thanks for your proposals.

I will write to Vicuna and see, if I cannot get for you the paper from Krinning on the new Philippine - Orchids. He has last year brought out for a conspectus of the genus Calipogon. This I will try to get at the same time.

You do not write to me, that you have got my manuscript with the key to the groups and the enumeration of the genera for the Folio. I hope it has not gone astray. The manuscript was sent off here by registered book-post on the 18 Dec. Please let me know at once, if you have received it, that otherwise I might reclaim at the Post.

As to the copying of the analyses and making sketches of my types of the groups, that you are working on, I am quite willing and glad to get done for you here, whatever



you ask for. I will ask one of our best  
droughts man ~~and ask~~ for his terms. At our  
present low rate of valuta 100 dollars will  
although prices have risen here for every thing  
very much, go a long way. I expect the best  
will be, if I will get tracings made of the  
analyses. Some samples I will send you soon  
and then you can let me know, if they will  
meet <sup>(with)</sup> your approval.

As to going to Vienna, I have enquired  
to-day from Mr. Famillo Schuster, who is  
working here in our Museum at present. He  
is from Vienna and has only lately been  
there. He tells me, that for the voyage  
there and the vicinus to go and return  
and about two weeks stay in Vienna  
I would need, if the prices are not going  
to be raised again, roughly speaking  
4000 Marks, that is at the present rate  
of our valuta 65-70 dollars. I expect in  
two weeks I could finish looking up the  
species, that you are at present specially  
interested in and at once copy the drawings,  
that are to be found in Reichenbach's Herbar<sub>2</sub>

vidua nearly for each species. If you should  
wish me to go, I would ask you, to give me  
"plain powder," to try to get from the Vienna  
authorities, wherever possible, a flower of the  
types <sup>(for you)</sup> and offer them on your behalf specimens  
of your types in exchange. I expect this would  
meet your approval?

I am now busy preparing the manuscripts  
of the Orchids - compilations of the Cordillera-  
skates for the printers. If all goes well they  
will start with the printing next week and  
I hope to get the whole work, i.e. the last  
three remaining parts, published within  
the next 6 months.

Of course any of the changes, that you  
propose as to the spelling of the author  
names I would consent to, and see to it  
that they are equally written in any of  
my future manuscripts.

As to Bolpe's collaboration, I expect it  
is best to wait yet until we have got the



"Folia" well started. For certain groups are  
rather genera, like for instance Cratogeomys  
and Odontoglossum, he certainly has got  
a wider knowledge than any body else. We  
might perhaps later on ask him to do these  
and some others, but as I think, it is per-  
haps better to wait yet a little with that.

In December I had written to him and  
proposed an exchange of our publications,  
but he has not even answered my letter,  
although we are again here in correspon-  
ding-letters between Dorklem and Kew.

The parcels with the duplicates for you  
and your Chinese plants I hope to dispatch  
in the course of the next week.

As soon as I hear, that the printing of  
the "Folia" is properly started, I will prepare  
another manuscript, a monograph of the  
group Aciranthus. The drawings are done  
already.

Yours very sincerely  
R. Schlechter.

555 Commonwealth Avenue, Boston, Mass.

February 18th, 1921.

My dear Dr. Schlechter:

I enclose a small *Oberonia* for you to examine. If the identification is correct please let me have your verification. Please retain the specimen for your herbarium.

I am getting ready to take up *Acoridium* for the *Folia*. It seems to me that my section *Pseudacoridium* ought to be taken up as a genus. The lateral flower shoot and the structure of the labellum and gynostemium seem to differentiate it from its allies. You will note this if you turn to the little drawing in *Orchidaceae* Vol 2.

Perhaps you will be kind enough to tell Dr. Fedde that I would like to have him forward to me the complete volume of your *Orchidaceae Novae et Criticae* with title and index. I shall send him a money order on receipt of the volume.

What do you intend to do with *Signatichilus* R. A. Rolfe, *Holotype* Schltr. *Carteria* Swall? These genera are missing from your list. *Carteria* is a puzzle. The type consists of budding material collected in Florida. When I first saw it I was inclined to refer it to *Leptocoma* *fulvipes* Reichb f. Now I see it reported from the Bahamas in Britton & Millspaugh *Flora of the Bahamas*. I intend to write to Britton about it. At present I am very sure that we can not take it up. If more material is available it may be possible to tell just what the generic characters are. I shall attend to this at once.

*Monroczeria* is another genus not found in your list. What is your attitude toward this?

Just at present I am taking the time to fill in the gaps in my herbarium made by your numerous new genera. Some of these I am unable to get ~~anywhere~~ and I am now looking your way with intense expectation as I must have your help where no illustrations have been published. If you have duplicate specimens representative of any of these new groups I hope you will anticipate a general distribution and send them to me.



I got your letter regarding the cheque this morning (Feb. 21) and it was good news to learn that it was acceptable and sure to help your work. To-morrow is a holiday here, so I can not get the balance of the money off to you until Wednesday. I shall not forget it.

I have been giving close attention to the details of the Folia and one or two questions have come to mind that I would like to have you answer. How close to a critical revision of the Orchidaceae do you expect to come in listing the species? With types widely scattered and in many cases difficult to study it may often prove impossible to make a comprehensive survey of the larger genera in that manner which characterizes monographic treatment of a scholarly type. If we attempt a critical revision of large genera it will require years of toil to arrive at worth while conclusions. Perhaps it is your intention to include all species that seem to be in good standing and to reject those that are evidently dependent on too slender distinctions or that are evidently provincial in conception. With regard to this subject we ought to have an established working basis.

I have to admit that I am often in doubt as to the wisdom of separating *Sarcanthus*, *Robiquetia* et al. If you have given this matter detailed attention I wish you would defend the separation. This should be simple if the differences are of a nature to be clearly set forth.

I am pleased to learn that you are getting out some economic material for me. Almost anything will be welcome.

I have some duplicate specimens of the Bureau of Science, Manila, that I have just been sorting out for distribution. As ~~there are~~ a few types in the set I intend to send you what I have ready. Most of this material is at North Easton and I can not get at it until later. Just now we are "snowed up". A great snow storm came yesterday and closed the country roads to motors

Yours very sincerely,

Charles Ames

Memorandum Foreign Check Issued

(Check should be sent by registered mail)

No. 113265

1921

Date

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THE FIRST NATIONAL BANK OF BOSTON

~~Yes~~ — No

By



225 Commonwealth Avenue, Boston, Mass.

February 28<sup>th</sup>, 1927.

My dear Mr. Schlechter:

I enclose check for fifteen thousand nine hundred eighty-eight and 89/100 marks. This is the equivalent to-day of two hundred and seventy-five dollars! I hope this money will reach you in time to take care of the printing of the South American census census. If there is a balance left after the printer gets through you may use it to pay for sketches of your types of genera and species, for postage to correspondents etc.

Yours sincerely,

250  
250  
525  
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1

27. Febr. 1921.

My dear Dr. Ames!

Your letters of ~~Feb.~~ Jan. 27, 31. and Febr. 9th. have all arrived well. I wanted to answer the first ones before, but I was too busy with some work on European-Orchids, that I allways postponed the writing, but now after I got to-day the letter of Febr. 9th I will hasten to let you have an answer at once.

I thought allready, that there might be some disagreement in respect to the definition of the Genera, but this is only natural, since you cannot expect to find two men agreeing in every little question. I knew that you are of different opinion respecting the limits of Habenaria and the recognizing of Platanthera and the allied genera. I have been working on these genera of late a great deal and I can assure you, that we are getting into a regular mess if we are not going to split Habenaria up into several genera. I can see quite plainly now, that a sharp definition of the generic characters of the Gymnadeniaceae and the Habenariaceae is only possible



if you acknowledge smaller genera. We have  
got here the same state as we have had it with  
the Epithymaeae. When we divide the big genus Ha-  
benaia into several better defined ones, then we  
will be able to master it, otherwise you will have  
to merge into it not only these genera all, that  
belong to the Symnadeniaceae and Habenariaceae now,  
but besides most of the Orchis and orch-like. Divide  
et impera must be the motto for such big genera.  
I am even pretty certain already, that it will  
be needed yet to split Habenaria even more up  
than I have done it in my preliminary list of  
genera. We therefore can safely publish the list  
of the genera as I have written it together. I have  
specially written in the introductory remarks,  
that it must be regarded as preliminary, and  
that changes will have to be made here and  
there, but I am convinced, that the changes  
will greatly consist ~~of~~ in the addition of further  
new genera. For instance I will in a short  
time split from Pleurothallis two very distinct  
new and fairly large genera and I am sure,  
that Epilobium will have to be divided into

several genera yet. But this is all work, that will have to be done, when these big genera are monographed. With these & new genera, that I am going to split off from Pleurothallis it is simply remarkable, that nobody has noticed the differences before.

As to Cypripedium and Cypripedium I agree with you, that we should keep the oldest spelling. Perhaps you will be kind enough to change my spelling accordingly. I am certainly for keeping Paphiopedilum against Boissia as the only proper definitive of the genus was given by Spitzer. Fissipes is of course a synonym to Cypripedium.

I leave it to you to ~~to~~ decide respecting Hingia for Doritis. I had not seen the publication <sup>yet</sup> when the list of genera ~~was~~ was written out.

Limonorchis and Pigaria are synonyms to Platanthera. Salpichroa will perhaps stand as a distinct genus, but as I was not sure yet about it, until now I have kept it as synonym to Orchis.

I would very much prefer to keep Microstylis and Malaxis in the way used by Reichenbach, Benthorn, Spitzer and Ridley. It is only by oversight, that



this name was not put on the list of genera to be kept up. What is the use to change about 250 names again into synonyms. Whenever a genus has got more than 100 species, such changes ought to be avoided as long as possible.

Physidris from America and Erythrodes from Asia are two totally distinct genera and should be kept both up.

I will keep a look out for Reiset's "Eudaphyten" and, as soon as I can, send it to you.

Pogonia mexicana seems to me specifically distinct from Triphora trianthophora.

I will look out the papers that you desire from the "Orchis", besides I will send you what has appeared of the "Orchis" since June 1918.

The Quadrangulum from Venezuela I cannot write it seems to me to be new.

About the organissia I have written you a card already some time ago. You will surely have got it by now.

The Pleurothallis I will look at more closely yet.

Arisa uvechii is synonym to Cheirostylis. You will find a note about this in my "Orchid."

Sino-Japan. Proteromids."

Rephorizlothis should be treated as a distinct genus allied to Platanthera. The differences between Platanthera and Habenaria in the very distinct stigmatic processes of the latter are quite obvious. If you see, how for instance Gaff has amongst the grasses (Panicum) created heaps of new genera you will have a parallel case to my results amongst the Orchids. The definition of sharp limits is often only possible in the genera when we find out the aberrant forms. Like this for instance I have no more difficulties in spotting the affinity of any Epistrophe or any angustecoid Orchids, where, as formerly this was simply impossible. For the same reason I am of opinion that Gymnadeniopsis Rydb. should be kept distinct. Rolfe has of late expressed very similar views respecting the Habenariaceae. I have been studying these Habenariaceae and Gymnadeniaceae for many years and have many hundred of analytical drawings of them and more and more I feel convinced, that I am



right in my views respecting their generic divisions. The characters for instance in Pteridaria are so characteristic in the gynoecium, that it is quite remarkable, how they are represented in the American as in the Asiatic species.

The Pleurothallis from Guyana I will examine yet and write to you about it in my next letter.

As samples I have got some traces made of some Dendrobilium - types from my herbarium. I think like this they will give you a fair idea. The price for these comes to about 12 Marks each, for these five drawings, I print altogether 60 Marks or a little more than one dollar. Do tell me, if they meet with your approval. If so, I will my Pogonia - material drawn like this for you. I think, that like this they are even better than new.

Please let me know your decision about these tracings as soon as possible, that I can give orders for new ones to be made.

With best compliments

Yours very sincerely

R. Schlechter.

12. March 1921.

My dear Dr. Ames:

Three days ago I received your letter of February 21 and yesterday the letter from February 23 with the cheque inclosed. Please accept my sincerest thanks for this money, which will enable us to continue and finish the "Ordnungsfloren der sudamerikanischen Gek. differenzarten". The volume III. Bolivia is already in the printing press and makes rapid progress as you will see by the proofsheets that I will send to you by this mail, that you may be able to insert the descriptions in your varian. I hope in about 2 months this volume will be ready to appear and then the printing of Peru and later on Bolivia will follow, so that, if all goes well the whole work will be finished about in 6 months. If then there should be any balance left, I will use it for getting analytical drawings and originals copied so that you



may have a proper record of them in your  
herbarium.

I will quickly answer a few of your questions.  
The Sigmatocaulis Rolfe is I think not left  
out in my list of genera, but you will find  
it amongst the Boelogyneae. The Vanroemeria  
I regard according to J. J. Smith's own opinion  
as a synonym to Pterochena. The genus Carle-  
ria I have by the description been regarding too  
as a synonym of Tetramicron.

My idea about the way how we should work  
the "Folia" was about the same as Grindley would  
have had, when he started his "Folia". That is to  
say, we should have to give a proper compilation  
of all the species of each genus, that we take  
up. There will be of course now and then some  
species which we will not be able to clear up  
altogether, but if we go at the work properly  
from side, that we will be able to do splendid  
work in clearing up like this the majority of  
the different species. Wherever an original type  
is accessible, we should if possible give a figure

or analysis of the flower, in which the charac-  
teristic marks are to be seen. I have got several  
thousands of such analytical drawings ready  
for use and often I have been able to clear up  
a doubtful species up like this. When we have no  
need to type or authentic material, we will have  
to try to place the plant as correctly as possible.  
Of course there will be some difficulty in working  
out the larger genera, but you will be surprised  
yourself most probably, when you will notice, what  
an amount of material will be flowing in, pro-  
vided as we are at work and in working this  
out, we will soon have collected sufficient ma-  
terial to start work with some of the larger genera  
too. The few species, that will actually remain  
doubtful will be nothing in comparison to the  
amount of species, that we will be able to clear up  
altogether. As to the views respecting separation  
or union of certain genera, I consider that this  
is immaterial, as long as we are able to properly  
clear up the affinity of a species. The limits  
of genera are very much more subjected to perso-  
nal opinion than the limits of species, although



there too a good deal of difference of opinion  
is possible.

The chief question is now, not to hesitate  
so long, but to start & bring the first part  
of the "Folia" out soon. We must not lose  
any time, because if we wish to finish the  
work, we must reckon <sup>with</sup> ~~on~~ about 20 years.  
The mode how we work the different genera  
will naturally undergo certain changes as the  
work progresses, but if we both stick to the  
one principle, that we must try to clear up  
and to finish the breadth, we are sure to bring  
a good and useful work out. The way how the  
different genera are intended for publication leaves  
us always time to postpone the publication of  
any genera, where we see yet too many difficulties.  
His.

I am going to forward with this letter a few  
offprints, that will most probably interest you.

Thanking you once more for the ungrudging  
help towards the publication of the "Ordnungsfloren  
der Nordamerikaner", I remain yours.

very sincerely

R. Schlechter.

Folia is a historical study of relationships in the

23. April 1921.

My dear Prof. Ames!

It is quite <sup>2)</sup>long time ago, that I have heard  
last from you. In fact your last letter has  
arrived here on the 10. March, and I am wait-  
ing impatiently to have news from you  
about the "Folia" and many other questions.

The printing of the Orchidflora of Ecuador  
goes well ahead and I have been forward-  
ing you the proof sheets of the descriptions  
of the novelties for your herbarium. I expect  
to be able to bring this part out ~~at~~ the end  
of this month and then the printing of the  
next part (Peru) will be started at once.

For your list of Philippine Orchids I have  
made one more entry, that has to be added  
viz. Streptanthus pygmaeiformis Rehb. f., which  
has been collected there by Rehder and is in  
cultivation in Erlangen.

I will enclose in this letter the few sample-



sketches, that I got mail for you from my  
herbarium. Do write to me, if like this they  
are suitable for your herbarium. The price  
for them averages at our present value  
12 marks apiece, or about 20 dollarscents. The  
analyses are tracings of my own analyses  
in my herbarium.

As soon as you will write to me, that we  
will go ahead with the "Folia" I will put all  
my working-power into it, and then you will  
soon have further manuscripts. I have made  
preparations in such a way, that I can go  
ahead at full speed as soon as you are ready  
for it.

I was extremely busy of late with all sorts  
of work and this is the reason, that I have not  
yet despatched the New-Endiven- and your  
Chinese Orchids, but I expect to come soon to  
it, to send them off.

With this mail I despatched too again some  
offprints, which, I hope, will interest you.  
Another on the Orchid flora of Brazil you will  
get in a few days, when I get my copies.

With best wishes

Yours very sincerely

R. Schlechter.

16. May 1921.

Dear Sir & mes.

By this mail I am despatching <sup>to</sup> you  
a copy of the No. III. Orchideenflora der  
Korotillerenistanen. (Bewahr) I hope this  
work, which I was able to bring out thanks  
to your generosity, will be useful. More copies  
are going to follow soon. I am very much  
glad to be not having heard from you  
since more than two months. A letter is  
going to follow within the next few days.



# Postkarte

Very much hope to hear  
from you again very  
soon.

Yours sincerely

R. Schlechter.

Dr. Rudolf Schlechter

Berlin-Schöneberg

Neue Culmstr. 5a.



Dr. Charles Ames

No. Easton

355. Commonwealth Avenue

Boston, Mass.

United States North America.

8. June 1921.

My dear Dr. Ames!

Your last letter I received on the 10. March and since this date I am vainly waiting for further news from you. My letters from 9. ~~March~~ 27. Febr. 12. March, 23. April, 16 May are all yet awaiting acknowledgment and yet there were things to have answered, that I was very anxious to hear about. I cannot understand, why you have not yet written. I had, so to say, reckoned on it, that I would have gone to Vienna for you, to clear up all the doubtful Philippine species, but since there was nothing



# Postkarte

coming, I had to say.

I am afraid, that we must  
go on at a very much quicker  
pace, if we wish to finish  
the "Felix". For which, of course,  
under the circumstances  
I could not do much more  
until I hear, that you  
actually wish to start  
with the...

Yours sincerely  
A. Gallech.



No. 1000  
Dr. Parker Ames

355. Commonwealth Avenue

Boston, Mass.

United States North America.

Dr. Rudolf Schlechter  
Berlin-Schöneberg  
Königsplatz 5a.

20. June 1926

Dear Dr. Ames!

By to-days mail I have dispatched  
two parcels to you. One containing above  
30 numbers of New-Guinea-Orchids,  
mostly in rich material, the other  
enclosing the Chinese Orchids, that  
you have sent to me for determination  
in 1918. In the latter parcel you will  
find in a separate cover a number of  
North-American Orchid-specimens, which  
were sent to me last year. Would you be  
kind enough to forward these to Dr. F. S.  
Yunker, Professor of the De Pauw-University,  
Greencastle, Indiana? These specimens were  
sent to me last year, without my asking  
for this material with the express wish,  
that they should be returned.



I have taken the liberty to take a few specimens of some of the Chinese Orchids, as I thought, that you would surely allow me. This, as you will find an ample compensation in the rich New Guinea collection. I would be very glad, if you would be kind enough, to send me the Borneo Orchids, that you have put aside for me.

These New-Guinea Orchids are the first lot only. I expect to be able, to send you about twice as many more as soon as I am going to continue the distribution of the duplicates. As you will see, this lot only contains specimens of certain groups.

I am quite at a loss to understand, why I have not had a line from you since your letter of 23. <sup>Feb.</sup> ~~March~~ [that arrived here on 9. March], although I have written since then so often to you!

I will send you in some offprints shortly.

Yours sincerely

R. Schlechter.

June 25th, 1921.

My dear Fr. Schlechter;

I am sorry to have delayed so long with this letter, but my mind has been taken up with a great many things and your letter regarding my suggestions as to genera made me feel that it would be wise for me to refrain from writing until after I had had time to think well. I want to be liberal in my treatment of botanical matters, yet I am unable to bring myself to the point at which I ~~sway~~ my individuality. Although I respect your opinion and have a great admiration for your capacity, it would be madness for me to enter into a co-operative work which would misrepresent my views and result in giving a wrong impression of my reactions to the modern tendencies in systematic botany that are leading to chaos. I may be very much in error in my attitude and a victim of too deep seated convictions, but you would be the first to condemn me if I simply adopted, without serious discussion, conclusions which, in the final analysis, are merely a matter of personal opinion and always subject to successful attack as time passes and our knowledge increases. Your letter hurt me because it indicated a lack of sympathy. Your only concession was a change in the spelling of a generic name. Your determination to disregard my opinions was not eased by convincing or kindly argument.

This brings me to the synopsis of the genera. I believe it would be a great mistake to publish this in its present state, because it is incomplete and needs to be carefully revised. Furthermore, would it not be best for you to bring this out separately? I ask the question because I fear it would be a mistake to include it in a *first* publication as the system of one author untouched by the other. I ~~can~~ publish it for you in *Orchidaceae VII*.



The copies of your Fouquier paper reached me just the other day. Please accept my sincere thanks for this very much needed work. I shall look forward eagerly to the completion of your task. Dr. Fedde, by the way, has not sent me the duplicate copies of your Sino-Jap. flora nor the Central American one as he promised to do in his letter to me, nor has he sent your collected works: *Orch. Novae et Criticae*. Nor do I find a copy at hand of your *Orch. nov- in cald. Horti Dahler. cultae*.

The tracings of *Dendrobilum* were most acceptable and proved to be just what I want. I have no suggestions to make as to changes. Tracings from your Central American species and genera would be very welcome at this time. In fact I am very anxious to complete, by specimens or sketches, my representation of the orchids of Central America.

If you will let me know the approximate cost of the trip to Vienna I shall send you a draft at once.

I have just sent a collector to South America with the Mulford Biological Exploration Expedition to the Amazon Basin. This, I am sure will be good news for you as there will be a set of duplicates for your collection. As the expedition is to be in the field for fifteen months, most of the time in unexplored territory, there should be some new material for us.

Under separate cover I am going to send you a new variety of *Pogonia ophioglossoides* that has just turned up from Nova Scotia. Strangely enough, it resembles very closely in gross characters *P. yunnanensis* Finet.

As yet I have not received any duplicates from your hand. I am looking forward eagerly to a generous collection.

Kraenzlin has written to inform me that he is about to do intensive work on the South American flora and that he is busy with additional monographs for the *Pflanzenreich*. The news of Bolfe's death has made me feel very sad.

Yours sincerely,

July 5th, 1921.

My dear Dr. Schlechter:

Your letter of June 20th is just here. I am delighted to learn of the despatch of the two packages of specimens, one containing New Guinea orchids and the other my Chinese material. I know full well that the New Guinea orchids will be an unequalled contribution to my herbarium and add strength in a flora that is not too well represented in my cases. Please send all you can spare of this valuable set.

You have not yet reported on the *Epidendrum* from Venezuela that has the aspect of *E. parallelum*. I am interested to have your good judgement regarding this.

In my last letter I suggested that tracings of Central American orchids would be most acceptable at this time. In my efforts to complete my representation of the orchid flora of the world it would seem that North America should receive concentrated attention. I already have a fair collection, but there are numerous things that I have been unable to secure, among them some of your new species.

The set of Bornean orchids is ready for you and will be sent away this week. I also have several hundred Philippine orchids that are still in the packages made ready for you just as the war came on and put an end to communications. I shall look these over and see in what condition they are and then send them on to you at the earliest possible time. As I wrote to you in my last letter there will be material for you from South America in good time. I also expect a collection to come in from China in the course of a year. And, if plans now being made materialize, you may expect specimens from a contemplated expedition to Borneo and <sup>from</sup> another one <sup>from</sup> Africa.

Under another cover I am sending you a little paper on *Spiranthes* that has recently appeared in *ENCODORA*. I think you will be glad to have the plates for your collection.

Yours sincerely,

Charles D. C. D.



North Easton, Mass. July 10th, 1921.

My dear Dr. Schlechter:

I have practically completed a short paper on *Pogonia* and allied genera for "Rhodora". Although I am dealing chiefly with the species of New England and the range covered by Gray's Manual I find that it is necessary to base conclusions on a more extensive representation of the species. We might append to this paper under *Triphora* a joint publication to establish new combinations if you approve of such a plan. This would have to be brief, perhaps a page or two.

My investigations lead me to the conclusion that *Pogonia* proper should only include those species that have simple pollen grains, such as *Pogonia ophioglossoides*, *P. japonica*, *P. parvula* and *P. yunnanensis*. The last two species I name as possibilities. For *P. parvula* I should like to have your confirmation as to pollen characters because I have not seen any specimens. You might send me a tracing of this. *Tsotria* includes two species. *Tsotria affinis* is an extremely rare plant. I have only seen fresh specimens once! In such large herbaria as those at Washington and St. Louis there is no material and even the specialized herbarium of the New England Botanical Club lacks a sheet of this rare thing. I am sending you a tracing of this species to show the details of the flower. The original drawing was made from Virginian material and will be reproduced in my paper on *Pogonia*.

*Cleistes*, I think, should be taken up for *Pogonia divaricata* and the tropical species that are allied. It seems to me that *P. divaricata* passes clearly into the genus *Cleistes*. *Triphora* proper includes the species that have the extine of the pollen tetrads pitted or reticulated and propagates by means of very peculiar tuberous underground stems. *Psilochilus* I shall accept as a section of *Triphora* although the gynostemium and root system seem to remove it quite clearly from *Eutriphora*. *Triphora macrophylla* is the type of the section as I understand it, and agrees with *Triphora* in having reticulated pollen tetrads. It differs from *Triphora* in having a mobile anther and in its very different root system.

The following key applies to the genera as far as the United States flora is concerned and may need modification if generally applied. How much it should be modified I am not now sure as I have not yet studied all of the species that enter into the discussion, my interest just at present being in the species of the United States. Perhaps you can from your studies break down the characters assigned when the entire alliance is arranged.



We have had a very trying time here in the publishing business and I do not believe that we should attempt to go to press just yet. It will be well to work along and assemble a goodly supply of manuscript; then when the proper time arrives it will be possible to bring out the different parts of our Folia in rapid sequence,—in sufficiently rapid sequence to convince the public that we are in earnest and prepared to push our product with conscientious ardor. In the meantime, however, I must await your reaction to my last letter. You will, I am sure, agree with me that something more than insistence is necessary in the realm of joint authorship if amicable re-



lations are to be constantly assured.

I have been thinking again about the system that underlies our sequence and acceptance of genera. While I agree with you in the main and feel that your scheme is the result of searching study and prolonged observation I cannot help but believe that it would be a mistake to let this system pass as the expression of opinion of a single author in a joint and lengthy undertaking. Therefore, I suggest that we hold back this part of the work until such time as it is possible to publish it as the ripened product of our combined thought. Pending such an issue it would be well to let me know what you think of the new genera recently proposed by Britton, Small and Millspaugh.

Will you please let me have a reply to this letter as promptly as possible. While I await a reply I intend to finish my paper on *Fogonia* and to prepare the joint publication on *Triphora*.

I have just been working on a Guatemala species of *Prachystele*. My analyses indicate close affinity with *P. guyanensis*. I cannot find any characters on which to separate it. In this regard I would welcome a tracing of *P. pappesii* from Costa Rica.

This letter has been interrupted by very exciting circumstances. On Saturday night, torrential rains came upon us and six inches of water fell in about twenty-four hours adding to an already heavy shower. As a result my big pond began to rise in an alarming fashion and I had to give most of my attention to engineering feats, one of which, the cutting of an outlet for the rising waters, resulted in a torrent that promised to wash away all restraints before I could check it. All is well again and I am finishing this long letter with a very great feeling of relief.

I wish I could see more settled conditions in the world. Sometimes I wonder if the years left to me will witness a return of that stability of affairs that we refer to now as prewar conditions!

Yours very sincerely,

July 12th, 1921.

My dear Dr. Schlechter:

I enclose a few flowers of a *Dendrobium* that seems to be close to *D. Wilmsianum* Schltr. It is a native of Siam and in its vegetative parts seems to answer the description of the species named. Will you please let me have your valued opinion and a tracing of *D. Wilmsianum*?

I also enclose the specimens of *Pogonia ophioglossoides* var *brachypogon* Fernald, that I promised to let you have in an earlier letter.

The package of Chinese orchids arrived this morning. Please accept my best thanks for these. They make a very welcome addition to my herbarium. The package of North American orchids will be forwarded according to your instructions.

Yours very sincerely,

July 14, 1921.

Letter sent asking for list of determinations of Chinese orchids forwarded as an exchange without mounted sheets. That is, there were duplicates of Wilson's Chinese collection and there was forwarded for his herbarium.





260 BEACON STREET  
BOSTON

NORTH EASTON, MASS. July, 28th, 1921.

My dear Dr. Schlechter:

I have just finished a review of our correspondence for the years 1920 and 1921 to date for the purpose of ascertaining information regarding matters that might have been overlooked under pressure of other business. As might be expected I have learned that several requests made by you have been neglected. I also learned that <sup>I have been</sup> you were equally culpable, perhaps more so, if one <sup>does not</sup> neglects the fact that my requests have, perhaps, been more numerous than yours.

To begin : You have not yet forwarded to me the list of Lehmann numbers referred to at different times as in progress. And this brings me to a question: What have you done with a Pleurothallis-like specimen from Colombia, Lehmann 6929. I would welcome information relative to this. Then again I asked for a tracing of Habenaria Amesiana from Central America and analyses of the new Habenarias from Central America that you described in your welcome contribution to the orchidology of that region. In your letter of September 29th, 1920 I find a reference to some Sto. Domingo orchids that were being reserved for me at the Berlin Museum. What news are you able to give me about these? Then there is that Oncidium from Florida! Do you suppose Kraenzlin has touched this in his monograph for the Pflanzenreich, a work now in the press according to a letter from him just received? I have already referred to the fact that you had not sent me a list of the numbers, with determinations, of the Wilson Chinese orchids. The specimens themselves are here, as I have already informed you. In sorting these out and comparing the numbers with my lists of loaned material I find that Henry 11,102 (Hb. Ames 10,768) is missing. Perhaps this sheet was overlooked. If you find it please send it to me when you have occasion to forward another set of duplicates. Now I come to a second species of Nabalua that you referred to and of which I desire a tracing. In my letter of January 31, 1921 I took up the matter of Orchis. Owing to the war my files have been allowed to grow incomplete. I hoped you would help me restore my set to a condition approaching completeness. Then there were the missing reprints of which I gave you a list. The Pleurothallis from British Guiana still interests me. I am calling it P. Hitchcockii.

PETAL

LIP

x = lateral lobe

v = posterior lobe.

On February 18th, 1921, in a letter of that date I sent you for your herbarium a little Bornean Oberonia with the request that you authenticate it. Did you receive this? I think it was O. neglecta Schltr.



I want very much, indeed, to have a copy of your *Orech. Novae et Criticae* from Fedde. Of course I expect to pay for this. It will be very useful, as I am in the unfortunate position of having to keep two reference libraries, one here at North Easton, and one in Boston. If there are duplicates of comprehensive works it saves me the trouble of lugging books back and forth from the city to the country.

*Psilochilus* I believe must not be included in *Triphora*. I have been studying this group again and I find that there are differences in floral and vegetative structure that make necessary a segregation of the *Psilochilus* species. Cogniaux was in error I think when he reduced the *Rodriguez* species.

The best set of Bornean orchids has been sent off to you and I hope it will reach Berlin in good condition. This is set no. 1.

I sent to you a few Philippine orchids not long ago. Have these reached you. Up to the present time I have not heard from you that the package had arrived in Berlin.

I am still looking for the extra copies from Dr. Fedde of the Central American orchids and the Sino-Jap. orchids.

I would welcome very much, indeed, a transcription of the original diagnosis of *Cyrtopodium Engelii* Karst. from C. Koch & Fink *Wochenschr.* 2(1859) 236. I find that this work does not begin with us until 1860. The New York Botanical Garden Library is unable to supply anything before that date. None of our Boston Libraries have anything from 1859.

Are there any of the Ledermann Micronesian orchids available for exchange? I would like very much to obtain some of these if there is any way by which to do so.

By this time my letters to you of June 25, July 5, 10, 12 and 14, must have reached you. I hope you will answer these in detail and be sure to let me know about the amount needed to put through the Vienna trip, this to include travelling expenses, hotel, and, let us say, the services of a photographer in Vienna for such work as seems wise in connection with the copying of critical species that would be of interest to me in connection with North and Central American orchids. If there are other items of expense to consider let me know about them, and if agreeable to you I should expect to add a bonus to make the trip worth while to you. Let me know what you think about this and give me an estimate of what you think I should pay.

With the best of good wishes,

Yours sincerely,

*Oakes Ames*

22. July 1921.

My dear Dr. Ames!

A few days ago I got at last, after an interval of about 3 months, news from you, your letter dated 21. June and today another letter from 5. July arrived.

If we would have had a chance of a few minutes of personal conversation, I am sure, that the misunderstandings would have no more existed and I am sorry that you have not written to me at once, when this misunderstanding arose, of which, until the arrival of your letter, I was altogether unaware.

As I had written to you in one of my former letters, I was and am still quite willing, to agree to many concessions respecting the definition of the Genera, but I thought, that these could only be made after the treatment of each genus and therefore I had drawn up this list of genera, of which I specially wrote, that it could be only preliminary and that it should only be used for the convenience to be able



to arrange the genera of the Folio as they appear. The final arrangement can of course be made only after all the genera are treated.

Perhaps my letters were a bit too short about these points and this is surely the reason, that this misunderstanding arose; often I was too overwhelmed with work, that at the time I was not able to answer at once at each question separately. I expected that you would not ~~part~~ accept my opinion respecting the genera of Nabeuvriere; this is one of the most difficult groups of the order and I know from Rolfe, that he too was more and more leaning to the opinion, that the only solution would be, to divide the genera more, to be able to get some natural limits for the different genera. It is not me alone, who has come to this conclusion. If you look the work of Knapp on the African Gramineae you will see this same method repeated. Most of these immense genera of Verholaceae have no limits at all, when we leave them as they are now. In fact you can just as well unite with them almost all the allied ones without

changing the generic diagnosis, but nothing  
is saved by this. In former years I was one  
of the botanists, who wished to draw the genera  
in a similar way together as Bentham, but  
the more I saw, the more I felt convinced, that  
this must lead to a regular *tabulae botanicae*, as  
we had it in Spisanthus and Augraecum, where  
nobody knew what to do with a plant. Although  
we can not deny, that there are some natural  
genera, yet we cannot do without some more  
artificial ones, to be able to find sharp defini-  
tions. Some of these doubtless natural genera,  
which are accepted by every botanist, are even  
very badly defined against allied ones. For exam-  
ple see Cynorchis and the true Stabenaria and  
Galanthe and Panjois. To draw here natural  
lines can only be done after a careful study  
of the whole genus, i.e. after analysis of all the  
species.

It would perhaps <sup>have</sup> been better, to give the citation  
to each genus and the synonyms. You write, that  
my list is incomplete. Until now I have not



found it so, or although I am constantly comparing things, whenever I guess an omission. There are very few doubtful names perhaps to be noted.

To satisfy you fully on this point, I will, as soon as I can find the time for it, draw out a new list with all citations and with all synonyms. If you see then the way ~~clear~~, you can either accept it for the "Folia" or else use it for publication in the Orchidaceae VII.

As we had proposed, that each part published should go under the name of the writer, I have myself to bear all the responsibility for the "List of Genera" and their arrangement and am always prepared to do so. This list is really not written merely together, but you would be amazed, if you would see, on what an amount of work and analytical drawings it is based. There are actually very very few genera of which I have not made (according to the amount of species) one or many ~~careful~~ analytical drawings. To give you an idea, what kind of work this is, I can tell you, that during the last 12 months alone I have finished more than 1400 analytical drawings and that all together I have more than 10000, each representing a different species. I never describe a new orchid

without having made an analytical drawing of it. Of many genera I have (like this) drawn every known species. This is all unpublished work and I hoped to get these results out in the *Folin*.

After all these explanations you can understand, that I am anxious for the starting of the *Folin*.

I cannot understand, why *Teale* has not sent you the desired copies long ago. Unfortunately he is sometimes rather unreliable. I am at present out of Berlin during yearly holidays and, as soon as I return in a few weeks, I will see to it, that the books are sent off at once.

The part IV. of the *Oreithis* *explorata* *des* *Corvilliers* *Staden* (Peru) is actually printed already and I had ordered, to bring it out on the 1. July, but owing to constant printers - strikes I had to postpone it again until my return. The proofs with drawings of the novelties I have not mailed for you and will forward them from Berlin at once after my return, together with some new offprints.



As to the Vienna-trip it seems, that you  
have not got my letter, in which I had written  
to you about the costs, so Dr. Camillo Schneider  
has reckoned them out for me. Since then the  
railway-fares have been considerably <sup>reduced</sup> and  
I will enquire again. I wish then,  
that you would draw up a list for me, of all  
the species of which you wish to get tracings  
of Reichenbachs herbarium. I would have gone  
there already before with the list, that you  
sent me in a former letter, but I could not see  
yet, if and how much money is going to be  
left over of the sum, that you have sent.

If you will send me a list of the species of  
which you wish tracings made in my herbarium  
I will get them done out once.

Now I must close, otherwise the mail goes  
off. I will write about the other questions  
one of these days more.

I am very anxious to hear, how far you are  
about the "Folia" and if you think, that the  
first part might come out in the near future.

With best compliments

Yours sincerely

R. Schlechter.

31. Juli 1921.

My dear Dr. Ames!

I now come to continue my letter from  
July 22<sup>nd</sup> and at once to answer your  
letters of 10. & 12. July, which have arrived  
since then, as far as I can at present. Best  
thanks for the specimen of Pogonia sphingiflora  
<sup>\*</sup>  
des var brachypogon and the flower of the supposed  
Dendrobium Wilmsianum. I will report on the latter  
in my next letter from Berlin.

I first come back once more to your two letters  
of June 20<sup>th</sup> and July 5<sup>th</sup>.

I hope, I can soon expect the Borneo-Orchids,  
they would interest me much, as I have yet  
a number of novelties lying from there, which  
I intend to publish shortly. A paper with  
10 new ones from Beccari's collection will come  
out in a few weeks.

As to Hornemann's intended work on Oncidium  
and allied genera, and others, I can only express  
the hope, that he will soon stop publishing

\* Can you not send me an analysis of this species, or rather variety, as it is not  
with the spirit my only flower of it?



any thing on Orchids. Science would have a much benefit, if this happens, because no botanist has ever understood so much such a mass of a genus, ~~as~~ as he does. Every genus, that he has worked upon, needs more revision after he has finished with it, than before he has touched it.

Of the New Guinean - Orchids you have as yet only received the first consignment. A considerably larger number will follow as soon as I am going to continue the distribution.

In the Vancouveria - Epiphyllum I will report within a short time. The little Oberonia, that you sent me from Java is not my O. neglecta but a new species.

I would indeed be glad to receive specimens of the expeditions, where you have collectors sent out, like the Amazonas, China, Borneo and Africa. From Amazonas I received of late a number of interesting things and hope to get some more during this year. There must be lots of new things yet, if one would collect there properly.

Your paper on Girardinia from "Rhodora" has not arrived yet. It surely would interest me much.

Now as to the Polygonum-question. I quite agree with you as to the breaking up of the genus, as I have written to you already before, and will send you in (as soon as I return to Berlin) a list of the species referable to Triphora with a list key to them. Psilochia <sup>?</sup> lindl., I feel after all convinced, to regard as a distinct genus, distinguished from Triphora by the habit and root-system, the mobile ovules, the very different climacterium and the presence of two large thickened marginal glands at the base of the labellum.

Polygonum olivaceum as Gleites would fully meet with my approval, <sup>(as to floral characters)</sup> but I have not yet seen any ripe fruits and the root-system. Canst you get me specimens showing these parts properly? It is to Gleites itself. I have been collecting a large material of this genus, for which I had a preference since



years; I have accumulated a very rich material, perhaps even the richest lying in any herbarium, and would ask you to leave this to deal with for me or else do it in combined authorship, as we do Triphora. However at present I would prefer, not to give yet an enumeration of the species, as much has to be corrected there yet and I have several new ones in print yet and some ready for description.

The Pogonix-mexicana - question I will take up yet after my return to Berlin, together with the other Triphoras.

As to your key I would propose the following.

A Pollinia composed of simple pollen grains - - Pogonix.

B Pollinia composed of tetraads.

I Pollen not reticulated. Perianth <sup>and gynostegium</sup> ~~thrown off soon~~  
 I offer fertilization

a. Leaves not whorled - - - - - Eleites

b. Leaves whorled. - - - - - Dactylis.

II. Pollen reticulated. Perianth <sup>and gynostegium</sup> ~~remaining until~~  
 the capsule is ripe.

a. Roots single at the nodes. Labellum with two marginal glands at base. Anther mobile - - Psilochilus.

b. Roots thickened, fasciculated. Labellum without glands. Anther immobile - - - - - Triphora

The sequence of the genera I have changed a little, since Eleites and Dactylis seem nearer allied to Pogonix than Triphora & Psilochilus.

I hope you will be answered now after my  
last letter, that there is no insistence in  
me ~~not~~ to the accepting of my enumeration  
of the genera, but as I wrote to you, it is  
the outcome of a long study and numerous  
observations on living material. If you  
wish any changes, I will certainly consider  
any proposals. As I wrote to you, the sequence  
of some of the genera might have to be changed  
yet as well as the circumscription of them,  
but I feel convinced that the general skeleton  
will remain. For the new edition of the "Flora  
formidosa", which is going to start next year,  
I will have to do the brackets and there I will  
give more fuller details about the genera  
and the groups. The difficulty however would  
be now, ~~not~~ how are we going to arrange the  
different parts of the "Folia", if we are not  
going to number the genera? Should they come  
out without numbers and then be added  
then later, after we have proposed the fi-  
nal sequence? I fear, it will be rather



known, to keep the different parts in water  
then untill everything is finished and to find  
anything. I would be glad, if you could make  
any proposals ~~about~~ <sup>regarding</sup> this question.

As I have written to you, I will draw out  
a new list of genera with all the synonyms  
and some changes that I have found out already  
and ~~that~~ will surely turn up constantly again  
in a family, on which such a lot of work is done.  
You will see then, most probably, that the list  
is actually complete.

I can send you manuscripts for the "Folia"  
within a short time. I will make some more  
ready soon: The stems there, the cryptogams,  
etc and perhaps some single genera. Of course  
I would be glad, if we have not to postpone  
the bringing out of the ~~the~~ first parts longer  
than is actually needed. I would propose  
that each genus or group is brought out with  
its own wrapper and each genus with special  
pagination in the same way as Lindley has  
done with his "Folia".

I hope this letter and the last will lead  
to a fuller understanding in our views. If ever  
there is any doubt or question let us always  
settle it once. Yours very sincerely

Yours very sincerely  
R. Schlechter.

A

North Easton, Mass. August 8, 1921.

My dear Dr. Schlechter:

I have this day made ready for transportation to you the following sets of specimens of Philippine orchids.

Santos.....	7
Ramos Direction.....	7
Ramos.....	5
Native.....	3
Callicia.....	7
Dedesma.....	5
Disdon.....	11
Serrato.....	9
Maigh.....	12
Reillo.....	31
Boettcher.....	19
Weber.....	67
Vanoverbergh.....	108
Wenzel.....	275
	11111
Total	565 specimens.

This is simply a beginning and does not represent any of the Bureau of Science collections the fourth set of which I am setting aside for you and sets of which will go to you as an exchange early this winter. I have given three whole days to the work of getting this material ready for you. Now will you do as much for me? It really consumes endless time to label, check, and pack five hundred specimens, aside from the labor of running through sets of duplicates and extracting what seems worth while.

Yours sincerely,

C. C. C.

P.S. Orchids sent in exchange with the Bureau of Science, Manila as to be sent to me direct in future addresses 1, 355-Cam. Ave. Boston. If you are sending any material to the Bureau as an exchange please bear this in mind. All orchid material will go to you from here until further notice by special arrangement with Paul Merrill. Such material should be marked Bureau of Science Exchange.

as you send

Schlechter	Mt. Kinabalu set contained	170 specimens
"	Philippine set	"
		32
		202
		565
		767 sent



Philippine sets made ready Aug. 6, 1921 for S. Schuchter.  
 In Weber and Van der Schuer's sets only three birds are  
 included. The number of birds is already too  
 small.

George Bortolin

sm.

*Sceloporus indicus*

"

"

*Coelognathus* *Latham*

"

"

*Sceloporus* *maculatus*

"

"

"

*Sceloporus*

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*Viverrina - regalis*

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*Sceloporus* *maculatus*

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*Sceloporus* *apm*

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*Sceloporus*

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*Sceloporus*

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*Eridania* *agilis*

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*gracilis*

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*Sceloporus*

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*Sceloporus* *mutans*

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*Sceloporus* *agilis*

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"

*Phyllanthus* *Prostratus*

"

"

"

*Sceloporus* *agilis*

"

"

*Panatholipa* *lucida*

"

"

*Vanda* *lanceolata*

Calica	S. m.	Bulbophyllum	Copelandii
"	" "	Calanthe	furcata
"	" "	Dendrobium	albocinctum
700	" "	"	Elmeri
"	" "	"	polytrichum
711	" "	Dendrobium	graditolum
"	" "	"	aurifolium sp. n.
"	" "	"	"
"	" "	Luzia	brevipolia

812	S. m.	Cerodes	quinguevulvum
"	" "	Appendula	xytraphora
"	" "	Calanthe	furcata
"	" "	Centostylis	senilis
"	" "	Dendrobium	Curranii
"	" "	Epiphrasia	philippinensis
"	" "	Pleurothallis	Luzonensis
"	" "	Podochilus	clavicornis
"	" "	"	reticulatus
"	" "	"	strictus
"	" "	Spellochilus	pleurothallis



Haight	1	<i>Bulbophyllum Inligaii</i>
"	2	<i>Stenandrium Palangense</i>
"	5	<i>Phreatia Proserpina</i>
"	6	<i>Stenandrium strictifolium</i>
"	7	<i>Bulbophyllum Cumanense</i>
"	8	<i>Stenandrium uncinatum</i>
"	9	<i>Leiparis longistylis</i>
"	10	<i>Stenandrium confertoides</i>
"	11	<i>Epia Elmeri</i>
"	12	<i>Stenandrium Coddianum</i>
"	13	<i>Oncidium cyathigerum</i>
"	14	<i>Coeloglossum Mesembryanthemum</i>

Adams	S.M.	<i>Stenandrium cultum</i>
"	"	" <i>Cumalense</i>
"	"	<i>Bulbophyllum scriptum</i>
"	"	<i>Pomatocalpa bicolor</i>
"	"	<i>Trichopetalum balsamifera</i>

Native	S.M.	<i>Ascocentrum miniatum</i>
"	"	<i>Polystichum bulbosum</i>
"	"	<i>Rhynchospora violacea</i>

Native under Ramos

S.M.	<i>Aerides quinquevulvarum</i>
"	<i>Habenaria Capellanae</i>
"	" <i>diaphylla</i>
"	" <i>Boottiana</i>
"	<i>Malaxis biloba</i>
"	<i>Thrix spemum elongatum</i>

Ramos.	1	<i>Amigella philippinensis</i>
"	2	<i>Leontis squarrosa</i>
"	3	<i>Habenaria molinitana</i>
O.K.	4	<i>Oenanthe Merrillii</i>
"	18	Dec. Sci 22020 <i>Pleocoglossis Copelandii</i>

Fille	5m.	<i>Appendicula uncinata</i>
"	" "	" <i>Wenzelii</i>
"	" "	<i>Buttaphyllum aculeatum</i>
"	" "	" <i>uliginosum</i>
"	" "	<i>Dendrobium aureum</i>
"	" "	" <i>laevissimum</i>
"	" "	<i>Dendrobium corymbosum</i>
"	" "	<i>Galeola philippinensis</i>
"	" "	<i>Phreatia luzonensis</i>
"	" "	<i>Sarcocolla aculeata</i>
"	" "	<i>Thlasia micrantha</i>
"	" "	<i>Thysanotum elongatum</i>
"	" "	<i>Trachoglossis botanensis</i>
"	1	<i>Spatuloglossis plicata</i>
O.K.	24	<i>Dendrobium Ramosii</i>
"	35	<i>Stenopogon philippinensis</i>
"	6	<i>Aerides quinquevulnerum</i>
"	6	<i>Eria vulpina</i>
"	7	<i>Appendicula Wenzelii</i>
"	7	<i>Dendrobium pseudocaneum</i> 2
"	16	<i>Oenanthe Melzeri</i>
"	11	<i>Podochilus strictus</i>
"	18	<i>Thysanotum Wenzelii</i>
"	37	<i>Dendrobium plicatum</i>
"	38	<i>Eria Polyzona</i>
"	"	" "
"	43	<i>Pomatocarpa bicolor</i>
"	50	<i>Oenanthe Thunbergii</i>
"	52	<i>Dendrobium Scapa</i>
"	53	<i>Thysanotum acuminatissimum</i>
"	56	



Santos	s.m.	<i>Bulbophyllum</i>	<i>Santosi</i> sp.n.
"	" "	"	<i>Vagans</i>
"	" "	"	<i>Vanwonghii</i>
OK	" "	<i>Ceratostyles</i>	<i>Philippinensis</i>
"	" "	"	<i>rubra</i>
"	" "	<i>Hemarcidium</i>	<i>brillense</i>
"	" "	"	<i>irigense</i> sp.n.

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Serrato	s.m.	<i>Appendicula</i>	<i>misanthra</i>
"	" "	<i>Bulbophyllum</i>	<i>alogum</i>
"	" "	"	<i>Cunninghamii</i>
"	" "	"	<i>luzonense</i>
OK	" "	<i>Hemarcidium</i>	<i>Cochranii</i>
"	" "	<i>Quis</i>	<i>lagumensis</i> sp.n.
"	" "	<i>Oleandra</i>	<i>anceps</i>
"	" "	<i>Sarcanthus</i>	<i>acalbatius</i>
"	" "	<i>Vanilla</i>	<i>apalis</i>

O.K. Vancouver 9  
(108)

- |   |       |                                      |
|---|-------|--------------------------------------|
| ✓ | 110   |                                      |
| ✓ | 163   | <i>Spathoglottis Vancouverii</i>     |
| ✓ | 378   |                                      |
| ✓ | 394   | <i>Dendrobium longispicatum</i>      |
| ✓ | 407   |                                      |
| ✓ | 632   | <i>Thurstonia Vancouverii</i>        |
| ✓ | 712   | <i>Bulbophyllum</i> "                |
| ✓ | 755   | <i>Phalaena imbricata</i>            |
| ✓ | 955   | <i>Saccolabium Vancouverii</i>       |
| ✓ | 959   |                                      |
| ✓ | 975   | <i>Phalaena halscarum</i>            |
| ✓ | 1016  | <i>Phalaena philippinensis</i>       |
| ✓ | 1017  |                                      |
| ✓ | 1049  |                                      |
| ✓ | 1050  | <i>Dendrobium micranthum</i>         |
| ✓ | 1051  | " <i>Philippinensis</i>              |
| ✓ | 1064  |                                      |
| ✓ | 1091  | <i>Thurstonia Vancouverii</i>        |
| ✓ | 1102  |                                      |
| ✓ | 1104  | <i>Liparis confusa</i> - 2           |
| ✓ | 1109  |                                      |
| ✓ | 1110  |                                      |
| ✓ | 1112  | <i>Spathoglottis Vancouverii</i> - 2 |
| ✓ | 1114  |                                      |
| ✓ | 1115  |                                      |
| ✓ | 1134  | <i>Bulbophyllum sensile</i>          |
| ✓ | 1186  |                                      |
| ✓ | 1188  |                                      |
| ✓ | 1190  |                                      |
| ✓ | 1197  |                                      |
| ✓ | 1203  |                                      |
| ✓ | 1211  |                                      |
| ✓ | 1212  |                                      |
| ✓ | 1228  |                                      |
| ✓ | 1239  |                                      |
| ✓ | 1244  |                                      |
| ✓ | 1261  |                                      |
| ✓ | 1263  |                                      |
| ✓ | 1267  |                                      |
| ✓ | 1288  |                                      |
| ✓ | 1289  |                                      |
| ✓ | 1290  |                                      |
| ✓ | 1290a |                                      |
| ✓ | 1291  |                                      |
| ✓ | 1302  |                                      |
| ✓ | 1320  |                                      |
| ✓ | 1332  |                                      |
| ✓ | 1345  |                                      |
| ✓ | 1346  | <i>Dendrobium angustifolium</i>      |



Vanaverburgh

	1347	
"	1348	
"	1351	
"	1356	
"	1357	
"	1358	
"	1359	
"	1362	
"	1365	
✓	1367	
"	1368	
"	1366	
"	1387	
"	1390	
"	1472	
✓	1473	<i>Holignathia Vanaverburghii</i>
"	1474	
✓	1477	<i>Phreatia aciculifera</i>
✓	1477a	<i>Phreatia Cuvierii</i>
"	1478	
"	1479	
"	1480	
"	1487	
"	1488	
"	1490	
"	1491	
"	1492a	
"	1493	
"	1520	
"	1521	
✓	1522	<i>Stenotrichum elongographatum</i> sp. n.
"	1525	
✓	1531	<i>Thiridopernum Vanaverburghii</i>
"	1532	
"	1533	
✓	1535	<i>Liparis Pampinea</i>
✓	1536	" <i>Confusa</i>
"	1541	
✓	1712	<i>Sarcodabum Vanaverburghii</i>
"	1714	
"	1715	
✓	1724	<i>Polypodium Ramosii</i>
"	1726	
"	1727	
"	1729	
"	1786	
"	1790	
✓	1791	<i>Ena Philippinensis</i>

- ✓ Vancouvergl. 1792 *Thlaspermum Vancouvergliae* sp. n.  
" 1867  
" 2106  
" 2110  
✓ 2214 *Saccolabium Vancouvergliae*  
✓ 2215 *Bulbophyllum Vancouvergliae*  
" 2220  
✓ 2231 *Phreatia aristulifera*  
✓ 2223 *Enia philippinensis*  
✓ 2230 *Enia polyura*  
✓ 2259 *Adenostyles Elmeri*  
✓ 2418 *Hemiarabium Stilleri sylvae*  
✓ 2419 *Phreatia aristulifera*  
✓ 2420  
" 2421  
✓ 2434 *Acetainia Elmeri*  
" 2435  
✓ 2571 *Phreatia Vancouvergliae*  
✓ 2580 *Goodenra philippinensis*  
✓ 2584 *Enia fastigiatifolia*  
✓ 2613 *Bulbophyllum bancense* sp. n.  
✓ 2816 *Bulbophyllum sensu* sp. n.  
✓ 2821 *Tarniophyllum compactum*  
✓ 2867 *Coelogyne Salween*  
✓ 2868 *Hemiarabium Stilleri sylvae*  
✓ 2878 *Hemiarabium Cabbianum*  
✓ 3080 *Eulophia squaridosa*  
✓ 3082 *Enia cordata*  
✓ 3112 *Hemiarabium Sandersoni*  
" 3612 *Lupinus bingulianus* [see 3692 error]  
✓ 3644 *Schizandra Vancouvergliae* sp. n.  
✓ 3645 *Isipora confusa*  
✓ 3646 *Coelogyne integrifolia*  
✓ 3654 *Habenaria Hainbergensis*  
✓ 3662 *Enia confusa*  
✓ 3664 *Habenaria Copelandii*  
✓ 3667 *Hemimium angustifolium*  
✓ 3668 *Spianthus sinensis*  
✓ 3670 *Polystachya luteola*  
✓ 3673 *Calanthe fuscata*  
✓ 3674 *Calanthe canaliculata*  
✓ 3675 *Habenaria grandifolia*  
✓ 3678 *Malaxa latifolia*  
✓ 3679 *Eulophia exaltata*  
✓ 3680 *Malaxa quadriloba*  
✓ 3681 *Bulbophyllum bancense*



2192 *Leptocarpus*

✓ <i>Vanoverburghii</i>	3682	<i>Acetabularia caulescens</i>
✓ "	3684	<i>Phacis linearifolia</i>
✓ "	3687	<i>Habenaria Vanoverburghii</i> sp. n.
✓ "	3698	<i>Phacis sulcata</i>
✓ "	3727	<i>Chenopodium apocryphum</i>
✓ "	3828	<i>Chenopodium apocryphum</i>
✓ "	3830	<i>Dendrochilum longipetalum</i>
✓ "	3832	<i>Dendrochilum tenue</i>
✓ "	3857	<i>Sarcocolla ovalifolia</i>
✓ "	3871	<i>Dendrochilum longipetalum</i>
✓ "	3876	<i>Eulophia Vanoverburghii</i>
✓ "	3885	<i>Lupinus Lycopodium</i>
✓ "	3886	<i>Phacis philippinensis</i>
✓ "	3906	<i>Caloglyphus Lycopodium</i>
✓ "	3911	<i>Eria argentea</i>
✓ "	3914	<i>Bulbophyllum stellatum</i>
✓ "	3918	<i>Bulbophyllum simile</i>
✓ "	3921	<i>Eulophia ovalifolia</i>
✓ "	3923	<i>Habenaria Vanoverburghii</i>
✓ "	3924	<i>Dendrochilum Collianum</i>
✓ "	3933	<i>Lupinus confusus</i>
✓ "	3936	<i>Calanthe Vanoverburghii</i>
✓ "	3941	<i>Dendrochilum aureum</i>
✓ "	3942	<i>Dendrochilum tenue</i>
✓ "	3943	<i>Spathoglottis Vanoverburghii</i>
✓ "	3944	<i>Calanthe quadriloba</i>
✓ "	3945	<i>Bulbophyllum anaglyphatum</i>
✓ "	3946	<i>Dendrochilum glaucum</i>
✓ "	4039	<i>Spathoglottis chrysanthus</i>
✓ "	4040	<i>Pachystoma pubescens</i>
✓ "	4041	<i>Caloglyphus Lycopodium</i>
✓ "	4042	<i>Paphiopedilum Argus</i>
✓ "	4043	<i>Dendrochilum longipetalum</i>
✓ "	4045	<i>Eria ornata</i>
✓ "	4046	<i>Spathoglottis Vanoverburghii</i>
✓ "	4047	<i>Phacis sulcata</i>
✓ "	4048	<i>Dendrochilum aureum</i>
✓ "	4049	<i>Dendrochilum micranthum</i>
✓ "	4050	<i>Habenaria Collianensis</i>
✓ "	4051	<i>Eria Vanoverburghii</i>
✓ "	4052	<i>Asiatensis Elmeri</i>
✓ "	4053	<i>Sarcocolla philippinensis</i>
✓ "	4054	<i>Calanthe Lycopodium</i>
✓ "	4054	<i>Eria ovata</i>

Numbers in the Weber list were sent to Schlechter  
in an earlier exchange.

Webster	S. n.	Species	Palawan 1913
✓ 11		<i>Sarcocolla nana</i>	Palawan 1913
✓ 11	01	<i>Vanda connata</i>	
✓ 11	05	<i>Trichoglottis latifolia</i>	
✓ 11	16	<i>Leptocaulis squalida</i>	
✓ 11	07	<i>Asplenium nigrum</i>	
✓ 11	09	<i>Sarcocolla acutata</i>	
"	2		
✓ 11	5	<i>Thelasia minor</i>	
"	13		
"	14		
"	16		
"	18		
"	20		
"	22		
"	29		
"	25		
"	30		
"	31		
✓ 11	47	<i>Podochilus striatus</i>	
"	50		
"	55		
"	59		
"	70		
✓ 11	87	<i>Podochilus striatus</i>	
✓ 11	88	<i>Asplenium Weberi</i>	
"	107		
"	109		
"	116		
✓ 11	110	<i>Dendrobium ventriosum</i>	
✓ 11	129	" <i>longicaule</i>	
✓ 11	141	<i>slagunae</i>	
✓ 11	141	<i>Sarcocolla bifida</i>	
✓ 11	141	<i>Theropodium elongatum</i>	
✓ 11	146	<i>Liparis parviflora</i>	
✓ 11	152	<i>Sm. retroflexa</i> ----- ✕	
✓ 11	188	<i>Asplenium cultatum</i>	
✓ 11	193	<i>Pom. atropurpurea</i>	



✓ Weber	200	<i>Habenaria paucistachya</i>	
✓ II	201	<i>Podochilus subauratus</i>	
✓ II	207	<i>Podochilus subauratus</i>	
✓ II	208	<i>Kingia philippinensis</i>	
✓ II	210	<i>Sparganium plicata</i>	
✓ II	211	<i>Calanthe furens</i>	
✓ II	217	<i>Appendicula websteri</i>	
✓ II	220	" <i>costalis</i>	
✓ II	239	<i>Podochilus plicatus</i>	257 <i>Sarcocaulis allongata</i>
✓ II	259	<i>Sarcocaulis micrantha</i>	
✓ II	260	<i>Bulbophyllum Capelandii</i>	
✓ II	268	<i>Sarcocaulis longicalcarus</i>	
✓ II	269	<i>Oberonia iridifolia</i>	
✓ II	270	<i>Oenopium philippinense</i>	
✓ II	276	"	
✓ II	280	<i>Oenopium websteri</i>	sp. nov.
✓ II	290	<i>Liparis pauciflora</i>	
✓ II	294	<i>Malaxis Melbournii</i>	
✓ II	296	"	
✓ II	306	<i>Bulbophyllum profusum</i>	✓ 307 <i>Oenopium philippinense</i>
✓ II	313	<i>Malaxis Melbournii</i>	
✓ II	317	<i>Habenaria mindanensis</i>	
✓ II	320	<i>Corymbaculis confusa</i>	
✓ II	338	<i>Phalaenopsis lucida</i>	
✓ II	343	<i>Calanthe Lyngbya</i>	
✓ II	346	<i>Phalaenopsis lucida</i>	
✓ II	402	<i>Thiospermum Wenzelii</i>	
✓ II	404	<i>Erica nicaeoptera</i>	
✓ II	406	<i>Calanthe Edmon</i>	✓ 409 <i>Sarcocaulis scabellata</i>
✓ II	411	<i>Pomatocalpa expansum</i>	
✓ II	597	<i>Eutoplia squalida</i>	
"	598		
✓ II	599	<i>Hemerocallis cinnamomea</i>	
✓ II	600	<i>Pomatocalpa patrifolium</i>	
✓ II	602	<i>Sarcocaulis scabellata</i>	
✓ II	603	<i>Schoenocallis micrantha</i>	
✓ II	604	<i>Sarcocaulis websteri</i>	
✓ II	605	<i>Sarcocaulis appendiculatum</i>	
✓ II	606	<i>Hemerocallis lunatum</i>	
✓ II	607	<i>Oberonia iridifolia</i>	
✓ II	609	<i>Taeniophyllum philippinense</i>	
✓ II	610	<i>Liparis confusa</i>	
✓ II	611	<i>Kingia philippinensis</i>	

✓ Weber 615 *Amalago bolobanensis*  
✓ Weber 614 *Sarcodites palawanensis*, sp. n.

67 specimens sent.



(O.K. Wenzel)	Eme	<i>Thalassia caninata</i>	1913
"	"	<i>Endocladia repens</i>	1914
"	"	<i>Sparganium angustifolium</i>	
"	"	<i>Galathea pteropoda</i>	
"	"	<i>Eria vulpina</i>	1913 May "
"	"	"	" " " "
"	"	<i>Endocladia monostachya</i>	
"	"	<i>Phragmites communis</i>	sp. n.
"	"	<i>Calanthe furcata</i>	sp. n.
"	1	<i>Sparganium pinnatifidum</i>	
"	2	<i>Phragmites communis</i>	
"	3	<i>Phragmites communis</i>	
"	4	<i>Phragmites communis</i>	
"	5	<i>Phragmites communis</i>	
"	6	<i>Phragmites communis</i>	
"	7	"	<i>Phragmites communis</i>
"	10	<i>Phragmites communis</i>	sp. n.
"	11	<i>Phragmites communis</i>	
"	12	<i>Phragmites communis</i>	
"	13	<i>Phragmites communis</i>	
"	14	<i>Phragmites communis</i>	
"	15	<i>Phragmites communis</i>	sp. n.
"	16	<i>Phragmites communis</i>	
"	17	<i>Phragmites communis</i>	sp. n.
"	20	<i>Phragmites communis</i>	sp. n.
"	21	<i>Phragmites communis</i>	
"	22	<i>Phragmites communis</i>	
"	23	<i>Phragmites communis</i>	
"	26	<i>Phragmites communis</i>	
"	27	<i>Phragmites communis</i>	
"	29	<i>Phragmites communis</i>	sp. n.
"	32	<i>Phragmites communis</i>	
"	34	<i>Phragmites communis</i>	sp. n.

Wenzel	357	<i>Placostethus Capitanii</i>
"	36	<i>Thracia alata</i>
"	39	<i>Stomatium Wenzeli</i>
"	48	<i>Thracia maculata</i>
"	55	<i>Metastoma constricta</i>
"	63	<i>Stomatium albugineum</i>
"	64	" <i>Scopa</i>
"	65	" <i>pratense</i>
"	65	<i>Platystrophia imbricata</i>
"	66	<i>Pectostrophia striata</i>
"	67	<i>Placostethus Wenzeli</i> sp. n.
"	68	<i>Spithoglottis pinnata</i>
"	69	<i>Pterostrophia Capitanii</i>
"	71	<i>Ensis sub pinnata</i>
"	75	<i>Stomatium curvatum</i>
"	76	<i>Stomatium Brongniartii</i>
"	77	<i>Stomatium Philippinense</i>
"	78	<i>Thracia elongata</i>
"	79	<i>Metastoma constricta</i>
"	81	<i>Stomatium plicatella</i>
"	82	<i>Stomatium Leylense</i>
"	83	<i>Thracia pinnata</i>
"	84	<i>Bulliophyllium Luzonense</i>
"	87	<i>Ensis brachystachya</i>
"	91	<i>Stomatium calpa expansum</i>
"	93	<i>Bulliophyllium thysanum</i>
"	93	<i>Ensis retroflexa</i>
"	94	<i>Ensiophis macrostachya</i>
"	95	<i>Thracia pinnata elongata</i>
"	96	<i>Stomatium Stomatium</i>
"	97	<i>Stomatium Luzonense</i>
"	98	<i>Bulliophyllium Leylense</i> sp. n.
"	99	<i>Thracia constricta</i>
"	100	<i>Ensis rugosa</i>



Wenzel	100	<i>Thrixspermum acuminatissimum</i>
"	103	<i>Cymbidium atropurpureum</i>
"	104	<i>Ena Merrillii</i>
"	105	<i>Kingiella equestis</i>
"	106	<i>appenninica carinata</i>
"	107	<i>Bulbophyllum Blumei</i>
"	108	<i>Taeniophyllum Philippinense</i>
"	110a	<i>Chamaeanthus Wenzelii</i> sp. n.
"	111	<i>Chamaeanthus cylindricus</i>
"	112	<i>Luisia tentifolia</i>
"	122	<i>Sarcocaulis micrantha</i>
"	128	<i>Bulbophyllum Pogaalanense</i>
"	133	<i>Andropogon dentata</i>
"	134	<i>Sarcocaulis bifidus</i> n. comb.
"	135	<i>Sarcocaulis cuneatum</i>
"	139	<i>Sarcocaulis Wenzelii</i> sp. n.
"	140	<i>Sarcocaulis verruculosum</i>
"	141	<i>Bulbophyllum mutans</i>
"	142	<i>Sarcocaulis Philippinense</i>
"	143	<i>Ena fusca</i>
"	146	<i>Ploccoglossis Copelandii</i>
"	148	<i>Bulbophyllum acutatum</i>
"	155	<i>Thrixspermum Philippinense</i>
"	157	"
"	179	<i>Ena Polyzura</i>
"	180	<i>Robiquetia spathulata</i>
"	181	<i>Sarcocaulis micranthus</i>
"	182	<i>Thrixspermum Wenzelii</i> sp. n.
"	183	<i>Ena brachystachya</i>
"	184	<i>Thrixspermum Philippinense</i>
"	185	<i>Thlasia carinata</i>
"	186	<i>Sarcocaulis albuginum</i>
"	188	<i>Chamaetaphyllum multiflorum</i>
"	190	<i>Chamaeanthus Wenzelii</i>
"	191	<i>Sarcocaulis bifidus</i>
"	194	<i>Taeniophyllum Philippinense</i>
"	195	<i>Mallaea constricta</i>

Wenzel	200	<i>Butorphyllum amatum</i>
"	201	<i>Oppea acicula Wenzelii</i>
"	204	<i>Stenandrium crumenum</i>
"	205	<i>Phacoglossa Copelandii</i>
"	206	<i>Eulophia macrostachya</i>
"	207	<i>Liparis Pectinata</i>
"	208	<i>Calanthe furcata</i>
"	209	<i>Conopsea brachyactis</i>
"	211	<i>Malaxis Wenzelii</i>
"	212	<i>Agrostophyllum Wenzelii</i>
"	213	<i>Malaxis balabacensis</i>
"	215	<i>Phacelia alata</i>
"	216	<i>Liparis longicaulis</i> sp. n.
"	238	<i>Malaxis longipedunculata</i>
"	240	<i>Agrostophyllum longicaule</i>
"	243	" <i>Hasseltii</i>
"	244	<i>Vogelia Wenzelii</i>
"	252	<i>Eria vulpina</i>
"	253	<i>Stenandrium alboviride</i>
"	259	<i>Stenandrium chinense</i>
"	264	<i>Stenandrium chinense</i>
"	270	<i>Stenandrium chinense</i>
"	275	<i>Stenandrium chinense</i>
"	276	" <i>chinense</i>
"	304	" <i>chinense</i>
"	305	" <i>chinense</i>
"	307	<i>Agrostophyllum Hasseltii</i>
"	308	<i>Eria aganensis</i>
"	312	<i>Phreatia subcata</i>
"	314	<i>Eria aganensis</i>
"	315	" "
"	317	" "
"	319	<i>Stenandrium chinense</i>
"	320	<i>Eria aganensis</i>
"	321	" "
"	322	" "
"	323	" " sp. n.
"	324	" <i>Woodsii</i>
"	332	<i>Stenandrium chinense</i>
"	333	<i>Eria chinensis</i>
"	335	" "
"	338	<i>Stenandrium Wenzelii</i>



Wenzel	340	<i>Eria fastigiatifolia</i>	
"	353	<i>Liparis Ceylonensis</i>	2
"	354	<i>Eria vulpina</i>	
"	355	" "	
"	357	<i>Eria Jansonia</i>	
"	358	" "	
"	368	<i>Liparis confusa</i>	2
"	371	" "	
"	379	<i>Schmaderia micrantha</i>	
"	384	<i>Cryptostylis arachnites</i>	
"	385	<i>Phaeoglossa Wenzelii</i>	
"	387	<i>Bulbophyllum Levanderi</i>	sp. n.
"	388	<i>Obeania Wenzelii</i>	sp. n.
"	395	<i>Bulbophyllum vestitum</i>	sp. n.
"	400	<i>Lipodium paludosum</i>	
"	401	" "	
"	407	<i>Dendrobium revolutum</i>	
"	412	<i>Coelogyne bilamellata</i>	
"	414	<i>Obeania Wenzelii</i>	
"	415	<i>Dendrobium Ceylonense</i>	
"	418	<i>Lipodium paludosum</i>	
"	421	<i>Grammatophyllum multiflorum</i>	(2 sheets)
"	436	<i>Obeania Wenzelii</i>	
"	441	<i>Dendrobium intusjectum</i>	
"	446	<i>Helochia Schomburgkii</i>	
"	447	<i>Bulbophyllum muscidanum</i>	
"	452	<i>Eria vulpina</i>	
"	467	<i>Eria retroflexa</i>	
"	487	" "	
"	499	<i>Eria Polyantha</i>	
"	500	<i>Eria Whitfieldii</i>	
"	500	<i>Dendrobium tumidum</i>	
"	503a	<i>Malaya Wenzelii</i>	
"	508	<i>Eria Polyantha</i>	
"	518	<i>Dendrobium Euracum</i>	
"	527	" <i>unicorne</i>	
"	531	" <i>intusjectum</i>	
"	553	<i>Eria vulpina</i>	
"	556	<i>Bulbophyllum gimogayanense</i>	
"	558	<i>Eria retroflexa</i>	

- 6
- Wenzel 570 *Erica retroflera*  
 " 573 *Phreatia longicornis*  
 " 574 *Erica polyura*  
 " 574 *Glendabium integratum*  
 " 576 *Agrostophyllum philippinense*  
 " 602 *Glendabium Enormum*  
 " 602 *Glendacilium corymbosum*  
 " 619 *Agrostophyllum longicaule*  
 " 644 *Bulbophyllum caeruleum*  
 " 646 *Agrostophyllum longicaule*  
 " 648 *Calanthe pulchra*  
 " 657 *Bulbophyllum chrysocaulum*  
 " 658 *Calanthe masaganaensis*  
 " 659 *Bulbophyllum philippinense* sp. n.  
 " 661 *Cratostyles Wenzelii* --- 2  
 " 662 *Liparis confusa*  
 " 671 *Bulbophyllum caeruleum*  
 " 672 " *alsiosum*  
 " 673 *Liparis monophylla* sp. n.  
 " 674 *Erica Leytensis*  
 " 676 *Glendacilium glumaceum*  
 " 678 *Cratostyles Wenzelii*  
 " 681 *Bulbophyllum masaganense* sp. n.  
 " 700 *Erica cymbiformis*  
 " 705 *Agrostophyllum philippinense*  
 " 708 *Liparis javensis*  
 " 713 *Phreatia Amusii*  
 " 716 *Erica vulpina*  
 " 718 *Liparis Amusii*  
 " 719 *Agrostophyllum Hasseltii*  
 " 721 *Liparis Leytensis*  
 " 742 *Agrostophyllum Hasseltii*  
 " 745 *Cratostyles Wenzelii* --- 2  
 " 752 *Agrostophyllum Wenzelii*  
 " 754 *Sarcocaulis mirabilis*  
 " 761 *Bulbophyllum javense* sp. n.  
 " 762 *Erica cymbiformis*  
 " 763 *Agrostophyllum Hasseltii*  
 " 765 *Bulbophyllum longicaule*



Wengel	771	<i>Bulbophyllum helenioides</i>
"	773	<i>Bulbophyllum simulacrum</i>
"	774	" <i>adenopetalum</i>
"	775	<i>Luparis pallida</i>
"	778	<i>Bulbophyllum adenopetalum</i>
"	787	<i>Dendroclitum Wengeli</i>
"	799	<i>Luparis Javanica</i> sp. n.
"	800	<i>Dendroclitum glumaceum</i>
"	809	" <i>pedunculatum</i>
"	811	<i>Bulbophyllum mindanensis</i>
"	812	<i>Luparis Javanica</i>
"	815	<i>Bulbophyllum mindanensis</i> ... 2
"	826	<i>Bulbophyllum adenopetalum</i>
"	829	<i>Phreatia Amesii</i>
"	854	<i>Enia cymbiformis</i>
"	861	<i>Dendroclitum Wengeli</i>
"	864	<i>Enia Woodiana</i>
"	866	<i>Dendroclitum arachnites</i>
"	875	" "
"	877	" "
"	886	" <i>Wengeli</i>
"	887	" <i>tenue</i>
"	888	" "
"	890	<i>Enia senilis</i>
"	898	" "
"	899	" "
"	900a	<i>Vandopsis Leytenia</i>
"	901	<i>Enia senilis</i>
"	919	<i>Dendroclitum tenellum</i>
"	925	<i>Enia cymbiformis</i>
"	926	<i>Dendroclitum arachnites</i>
"	945	<i>Oberonia Leytenia</i> sp. n.
"	984	<i>Habenaria alagosa</i>
"	1,006	<i>Podochilus strictus</i>
"	1,012	<i>Dendroclitum crummenum</i>
"	1,072	<i>Bulbophyllum Profundum</i>
"	1,082	" "
"	1,086	<i>Podochilus plumosus</i>
"	1,091	<i>Dendroclitum Scottii</i>
"	1,099	<i>Thilasia elongata</i> ,

Wenzel	1104	<i>Trichoglossus mindanensis</i>
"	1141	<i>Malurus latifolia</i>
"	1144	" "
"	1155	" "
"	1179	<i>Colaptes guingulamellatus</i>
"	1206	" " sp. n.
"	10,002	<i>Myiobacus Wenzelii</i>
"	10,003	" <i>brunifolius</i>
"	10,008	<i>Dendrocincla leucophaea</i>
"	10,012	" "

275 numbers made ready for Dr. R. Schlechter August 1921

Santos	7	specimens
Ramos (D)	6	"
Ramos	5	"
Native	3	"
Callian	7	"
Leasma	5	"
Leisao	11	"
Serrate	9	"
Haight	12	"
Rullo	31	"
Boettcher	19	"
Wilber	67	"
Wenzel	275	"
Vano.	108	"
	<u>565</u>	"



North Easton, Mass. August 11th, 1921.

My dear Dr. Schlechter:

Your letter of July 22d is just here. I think I understand your attitude thoroughly and it gives me pleasure to tell you that I am ready to throw myself into the work on the Folia and get ready a fair number of species at the earliest possible time. I do not feel that any time has been lost, because in my opinion it will be well to see manuscript in advance and an opportunity to make the first part of the publication a substantial beginning. When I hear from you with regard to Pogonia and its allies I intend to do Triphora, Isotria, Pogonia and if you agree with me that it should stand, Psilochilus. In addition I will take up Acriopsis because I am interested in it, and have material. Doritis and Kingdella also interest me. For good measure I can throw in some of our small native American genera, Calopogon, for example, and Arethus, Crybe and what not, and in the meantime whip my Acoridiums into shape if I decide to segregate the species from Dendrochilum. Then there are some Philippine genera that I intend to do. You will readily understand that I want to begin with small genera, because for the large ones I want more time. Some of the large ones it may be well for us to portion out so that we can get them along and derive advantages from a division of labor.

What you say about drawings made for your herbarium interests me very much. I have always made a practice of preparing camera lucida sketches of my new things and of critical species. When I was at Kew in 1905 Rolfe was much interested in my dissecting microscope with its camera lucida attachment and when I left Kew I presented the outfit to him much to his delight. As a sort of return he made drawings for me of the Kew Dendrochilums. I also add plates to my herbarium and whenever I can pick up a book at a reasonable price that is rich in orchid analyses I take it to pieces and add it to my herbarium. I also have photographs of types, sketches made for me at Kew, and a complete representation of the Linnaean orchids, etc. etc. For years I have subscribed to a separate set of the Botanical magazine just to get the orchid plates for my herbarium.

In my last letter I informed you that I had packed up for transmissal to you 595 duplicates of Philippine orchids. When you add to these the Bornean set of 170 specimens and the small collection of Bureau of Science things sent last winter, (32 specimens) I think I merit a little attention from you notwithstanding the fine things that are now well on the way to being mounted and ready for

distribution.

I enclose a list for you. After I made it out I realized that it would be a hopeless task to have you attempt to touch it. You might, of course, attack some of the earlier genera, but I doubt very much, unless you could get somebody competent to make tracings, if it would be worth while to begin at all. Of course I want the tracings badly and I would be willing to pay for them, but would it not be a dreadfully expensive operation, even those from your own herbarium, to say nothing about the reams of things that Reichenbach described. Do what you think is best, bearing in mind that I really need every one of the species to be represented in my collection. And I want them soon!

You may count on distributions from the Bureau of Science material this winter, so in making up sets for me bear this fact in mind. I would also welcome opportunities to exchange with some of your museums if you can arrange for it. Did you send me as much Celebes material as possible. I am anxious to have orchids from Celebes.

Your new genera are very poorly represented here. Tracings of those not based on new interpretations would be very welcome.

Yours sincerely,

*John D. Smith*



A

North Easton, Mass., August 16, 1921.

My dear Dr. Schlechter: Just a few words to inform you that your letter of July 31st, has just arrived.

Additional material of *Pogonia ophioglossoides* var. *brachypogon* Fernald goes with this under separate cover together with some scraps of *Cleistes divaricata*. This species has a vertical rhizome as do *Isotria* species and *Pogonia ophioglossoides*. I am inclined to believe that the perianth falls off before the capsule is formed. Although I called your attention to the persistent perianth of *Triphora* in an earlier letter, I later informed you that this character did not hold sufficiently well to be used in a generic key. As to *Triphora* you will find that the subterranean system of *T. trianthophora* is made up of stems and stolons, so cannot use the contrasting terms based on roots. *Isotria* and *Pogonia* multiply by root shoots that originate from a vertical rhizome. As to *Psilochilus* we have a different situation entirely: a creeping rhizome rooting at the nodes.

(in detail) For the Folia I intend to do *Isotria*, *Triphora*, *Psilochilus* and *Pogonia*. This leaves *Cleistes* for you. Our joint treatment of *Triphora* <sup>(in brief)</sup> is to appear as I suggested, unless you have objections in the paper I am writing for "RHODORA". Please send tracing of *Oberonia neglecta* Schltr. The FORNEAN SPT #1 went some time ago to Berlin.

Yours in haste,

That Venezuelan *Episcadium* is flowering again. It suggests *E. attenuatum* different petals. However, Linden's 734 as sketched by Lindley has somewhat similar labellum.

A.

A

North Easton, Mass.

August, 17th, 1921.

My dear Dr. Schlechter:

I enclose a few flowers of that *Epidendrum*. From a sketch in my note book it would seem that the species is very closely allied with *E. graminatoglossum* Reichenb. f. I do not have any authentic material of this, my sketch having been taken from Lindley's plant communicated to him by Linden. Do you know this species from Reichenbachian material?

I am starting in on the *Folia*. Now that a beginning has been made I expect to go forward with that speed which I can safely keep up and do work that will be satisfactory to me.

In a recent flora of the Bahama Islands by Britton and Willsaugh you will find the genera that I have referred to in my letters. J. K. Small has made a wholesale reduction of *Epidendrum*.

The *Triphora* from Florida to which I called your attention seems to be *Triphora cubensis*. When I make a study of the flower I intend to make a drawing for you.

Please arrange to have tracings made for me of the Central American *Habenaria* species etc. We can then tell whether or not it will be worth while to attempt to complete the list of desiderata I sent to you last week.

Yours in haste,



Sept. 1, 1921

Dear Mr. Schlechter:

I have just been working through my Central American ~~species~~ collection of *Phrygnanthes*. I find a mess, as some of the J. D. Smith numbers of Tuckermans' plants seem to have been mixed. The type collection of *P. polygonatus* Ames is 7678 of Smith's distribution. In the U.S. Natl. Herb. this number is represented by a specimen that seems to be *P. angustifolius* Schell. In Natl. Herb. Smith's 8463 (*Tuckermans* II. 733) is surely *P. polygonatus* Ames. On this number *P. Tuckermansii* Schell. is based. It would help me much to have herbaria of *P. angustifolius*, *P. strictophyllus*, *P. Tuckermansii*, *P. trilobulatus*, *P. lunifolius*, *P. humicicola*, *P. Lehmannii*, and *P. megerianus*. Can you get these off for me very soon? *P. strictophyllus* in the Natl. Herb. as represented by the number of the type collection seems to be *P. polygonatus*. It would help to have details of *P. calliphyllos* Reub. f. Please!!

Yours as usual  
Edw. L.

Dr. Rudolf Schlechter  
Berlin-Schöneberg  
Neue Culmstr. 5a.

7. Sept. 1921.

My dear Dr. Sauer!

God must excuse me, that for such a long time I was quiet. The fact is, that after returning to Berlin in middle of August I was piling such heaps of work on writing me, that it was impossible to start with anything before I had not made at least a little bit of clear ground. I am now going to take up one by one of your diverse questions, that you have addressed to me and I hope that within a very short time everything will be settled satisfactorily.

To Prof. Felsch I have spoken at once and I hope that by now you will be in possession of the different copies that you have been asking for. I am packing up to-day yet several of my last publications and will get them despatched with this letter.

The Epistolarium from Venedicta I have



been examining in time and have come to the conclusion, that it is *B. grammoglossum* Rehb. f. But this species is altogether mis-  
placed by Reichenbach and Kindley. It does not belong to *Bidpidulacrum*, but is a clear species of *Osmophytum*, nearest allied per-  
haps to *B. calamorrhizum* Zoll. In the column it agrees altogether with *Osmophytum*.

I am drawing up the list of your Chinese Orchids, which you sent to me as duplicates and will forward it at an early date.

Many thanks for the beautiful lot of Bornean Orchids. They arrived well and gave me much satisfaction. The arrival of the first Philippine lot in June, I have acknow-  
ledged <sup>at once</sup> by card. I am afraid this card has not reached you.

I fully appreciate, that you have been looking out the new lot of Philippine Orchids (56 specimens) for me and you can depend upon it, that you will have splendid material from me too. I am working generally from 5 o'clock in the morning until late at night and

am doing all in my power to satisfy you.

Circumstances are however not well and I have to spend a certain time of the day to get to some more popular, paid writing. Whereas generally things are costing about 13-15 times as much as in 1914, our salary was only raised to about 5 times as then, and this will explain your the situation better than anything else.

I had great difficulties to get a good person to draw the analytical pictures for you. But now I think I have got one, which will start to-morrow to copy first of all the analyses of the Triphorons and then I will at once get sketches made of the species you have been asking for. On the compilation of the species I have been working already and I wish to send you a key to be starting the next days for Triphoron.

I have carefully analysed the scanty material of Triphoron mexicanum. There cannot be any doubt, that it is specifically distinct.



The shape of the leaves is different, the flower larger, the lip altogether distinct. I will send you by my next letter the analysis of T. mexicana and T. trianthophora as I could make it out and you will see the differences quite clearly. I have besides a very interesting new Triphora from Amazonas, which might be published at once too. I will send you a sketch and the description. Unfortunately I have only one tiny little plant.

Of Gleistes I have been getting splendid material and this will come in handy for a monograph of the genus.

I am now putting aside for you splendid material of Costa-Rica Orchids. I got a very large collection, that was made in 1909-1910 there by Alexander Sargent Brade. The number of novelties is perhaps not so very large, but the material is good ~~to~~ and rich and like this I will be able to spare you many samples of old Reichenbachian species and of these that I described formerly. I have 2 new genera from there. One allied to Lepanthes another allied to Hexisen.

As to the New-Guinea-Orchids, you have, as far as I can judge not a third of what you are going to get. I wished to distribute another lot yet this year, but under the circumstances, that I have mentioned to you, I could not find the time yet to do so. In winter it will be out of question, because at home, where I have got all these ~~duplicates~~, we won't have enough coals to heat the room, where I can distribute them, we are only allowed sufficient supplies to keep one family-room warm.

The Orchidflora-list of Peru has at last appeared, but I have not yet got all the copies, as soon as possible I will see that your copies are sent to you. I am struggling at once with the printing of the Bolivia-manuscript.

As to the Vienna-trip I will write to you fully in the next letter, Mr. Schneider is not in Berlin at present and it is difficult to get the proper dates for the approximation costs together.



The H. Domingo - Orchids and the materials of economic plants, that I had been sorting out for you in the Museum will be sent to you shortly. I have spoken about them to Dicks yesterday.

As to the "Folia" I agree to anything that you might decide. As soon as I see, that there is a start I will put all the strength on the work and you will soon have enough manuscripts. As soon as I get a speedy continuation. I have drawn already quite a lot of species of many genera, where I only need to make yet a few analytical drawings to complete them. It is quite right, that we should start first with smaller genera and then, as material necessitates to over to the bigger ones.

This is only a hurried letter, to show you, that I am active for our work and for your interest. I will now start to answer to everyone of your questions singly in my quickly following letters.

Yours very sincerely  
R. Schlechter.

10. Sept. 1921.

My dear Mr. Ames!

I am hurrying this letter today to you, that  
you might not have to wait too long for the  
key of Triphora, as I think it could go.

To this key I have to make a few remarks. First  
of all I am convinced that Pogonia edulis is  
identical with P. gentianoides (Sw.). It seems  
to me sure besides, that Op. pusilla Rehb. f. & Warm.  
which is surely allied to P. Wagneri Schk. and  
P. microrrhiza (Vogel) should be included into Tri-  
phora

Pogonia microstylis Rehb. f. is a doubtful plant.  
I do not yet know, what to make out of it.

I have got copies made of all my <sup>new</sup> Triphora-spe-  
cies, in number and of Chonophylloides as far  
as the analysis goes and at the same time sections  
of my material and I am sure, that they will be



of use to you. They want now here for these sketches, 15-20 marks each, but I think according to our last valuation you will consent to this and therefore I have got them done and paid them from the funds that you have sent. I will at once order the sketches of the Nabennians from Central-America. I write to me, as soon as you get these sketches, if they are satisfying you. The habits-picture is all ways made in live-size. I will send too a sketch of Pogonopsis in a few days with the Nabennians, because I think, that this genus, of which we have good material is not well represented in your Herbarium. It approaches Triphora closely.

The sketches of the Triphoras I am sending by registered letter and hope they will arrive well. The Nabennians are going to follow along with Morphylloides and Pogonopsis in the course of the next week.

As soon as I am a bit farther with my general determination-work / I have got lots of things from Central- and South-America to go through yet!

then I will send you in a ~~new~~ monograph of the Utriculariaceae and Erythrolidaceae for the Tolm.

I have got the intention to publish shortly on Orchideaceae of Adrianum. I have got all the materials from Holland (Utrecht) and besides I received lately some collection through the Brüdergemeinsch. of Herenhuist (German Missionaries). I think I have written to you already that I have been asked to make the Orchidaceae for the new edition of the "Floraenfamilien" which is starting to appear from the beginning of next year. The Orchidaceae are supposed to appear in 1924. I will most probably keep there a similar sequence as the one I have proposed in my manuscript sent to you.

Amongst the drawings of Triphora, you will find a new species T. amnensis, a very distinct one, which I propose to publish in combined authorship with you, i.e. if you consent



to this. I am adding besides copies of my analytical drawings of other Triphoras, from them you will see for my reasons, why I regard T. mexicana distinct from T. trianthophora.

I will write again tomorrow or the day after and then take up some of your other questions in your last letter.

The Pleurothallis from Guianan, collected by Hitchcock I could not match yet. The Oncidium from Florida, which is surely specifically distinct from O. Wentworthianum and all its allies, I would advise to describe, and propose the name O. floridanum for it.

Have been thinking over the Oncidium - Dendro-  
chilum - question. I am convinced, that Oncidium  
has to be kept generically distinct. It is quite  
well characterized by the immobile labellum, the short  
column and the rostellum, besides the structure of the  
labellum is different. What you propose doing in this  
matter.

Best wishes and compliments

Yours very sincerely, R. Schomburgk

North Easton, Mass. September 12, 1921.

My dear Dr. Schlechter:

As a title page is the first thing we must agree on before we go to press, I have started the ball rolling by putting together the following suggestion. You are at liberty to amplify or change it as you think best.

\*\*\*\*\*

FOLIA OPCHTADIA

Auctoribus

CAKES AMPS ET RUDOLF SCHLECHTER.

POSTONI

MCMXXI.

\*\*\*\*\*

I suppose the title should appear on the covers to the genera, at first, and later be supplied for complete sections. Let me hear from you about this.

1. If you have suggestions for a preface or introduction, please draw them up and send them to me promptly. I am of the opinion that this part of the work should be in German or English, or both. Latin would be a bit pompous.
2. My plan is to publish first your treatment of Subtribe Grobyaeae together with my work on Isotria, Hexalectris and Aplettrum. This will not be a pretentious beginning, but it will serve the very useful purpose of offering us material for consideration with regard to the make-up of future issues.
3. I do not believe that we ought to put out your SYSTEM until we have polished it a bit. I really feel that the generic synonymy should be given with this. If you will send me a redraft of it I can have one of my assistants give it a thorough combing. As the list of genera now stands several numbers are given twice, as for example '225, 225a'. Of course you will wish me to complete the sequence and remove double numbering. You have, I think, slipped once or twice in your citation of authorities. If this is so you will rely on me to make corrections, I am sure. Sigmatichilus Rolfe, which I thought you had omitted and wrote to you about, is given in the list as Sigmatogyne Rolfe. Such an obvious error you will, of course, wish me to correct without reference to you.



4. I have been working through *Ponthieva*, recently, and find it a very fascinating group. If I can get the necessary material for a complete treatment of the species I would like to do *Ponthieva* for the FOLIA. By the way, I find in the U.S. National Herbarium several specimens of this genus that you determined. These puzzle me greatly and I wonder if your determinations were based on searching observations. *Ponthieva rostrata* Lindl., for example, based on Riolley #3240, seems to me to be *P. glandulosa* R. Br. That is, if my *P. rostrata* Lindl., from Quito, (Jameson #689) has been correctly identified. And then again, *P. guatemalensis* R. f. based on Pittier, s.n. Costa Rica, Dec. 11, 1898, authenticated by you, does not seem to differ from *P. <sup>guatemalensis</sup> ~~rostrata~~* as I understand that species. In this connection I would like to have your opinion of the U. S. *Ponthieva racemosa* Kehr. Do you consider that this is the same as the West Indian and Central American species. Have you good material of this?
5. A tracing of Reichenbach's *P. guatemalensis* would be most welcome!
6. There is a specimen of *Ponthieva maculata* Lindl. in the Natl. Herb. determined by you. The specimen came from Costa Rica. Why did you omit *P. maculata* from your list of Central American orchids?
7. Tracings of your new species of *Ponthieva* would be very welcome.
8. A duplicate copy of your list of Central American orchids is sadly needed here!
9. I come back to the *Triphora mexicana* (Wats) problem. I have examined critically additional material from Mexico and I believe you are right after all: this is a distinct species, and sufficiently unlike *Triphora trionthophora* Rydb. to be easily separated. In my efforts to reach definitive conclusions about this I found in the Field Columbian Museum a specimen from Yucatan that you had passed on as *Pogonia mexicana* Wats. var. Prof. Millsbaugh was very anxious that I should boil out a flower. I have done this, and I find that it is a new species if there ever was one and I intend to call this Yucatan *Triphora T. yucatanensis*. The lip suggests *T. cubensis*, but there the similarity ends!
10. I shall publish my notes on *Triphora* in ORCHIDACEAE VII. Not in "Rhodora" as at first planned. Please send me your tracings of your new species and your permission to publish our joint treatment of *Triphora* in ORCHIDACEAE VII.
11. What is your *Triphora Wagneri*? Where is this to be published?

I found that I could not insure packages forwarded to Germany so that I sent the exchange material of Philippine orchids to you piecemeal. The last package goes off to-day.

We receive good news from the Mulford Biological Exploration Expedition. The party is just about to enter into unexplored Bolivian country. This Expedition should accomplish distinguished results as there are two capable botanical collectors among the members, and one energetic entomologist, a friend of mine, who feels responsible for the success of my representative (as he helped me to select him) and has promised to keep him busy all of the time by finding orchids for him and compelling him to preserve them. All orchid material secured by the expedition is to come to me including that specially collected by my representative.

This letter has run well beyond reasonable limits, but I must go on with it as there are several very important points connected with the FOLIA that need your prompt attention.

12. When we publish a single genus or several genera of a sub-tribe, must we repeat the characterization of the sub-tribe? This leads to the suggestion that the subtribes should be grouped after the SYSTEM, or each one published only once when the first genus of a sub-tribe appears. Your Grobya, for example, works out well because it is complete in itself, but, how about Isotria? That is, if published by itself? I should think that the best plan would be to give the characterization of the subtribe when the initial genus <sup>of a subtribe</sup> is issued, then the work will bind up in proper form and unnecessary printing will be avoided. Why not draw up a skeleton or outline of the Vanillleae and let me see what your views of this matter are?

13. As I understand your wishes each genus is to appear with its own pagination from 1--000 and to be in a separate cover, the title of the whole work to be printed on each genus cover? To clarify this point, will you please draw up a cover page for Grobya and your idea of a cover for a single genus of a large sub-tribe. It seems to me that each cover should be numbered in sequence, no matter what genus or genera it contains. Otherwise there would be no means of knowing that one had all the published parts until the word FINIS had been printed on the last part.

14. Please have tracings made of the species of the Ophrydeae and Neottieae contained in the long list I sent to you.

Yours sincerely,



September 18th, 1921.

My dear Dr. Schlechter:

You will begin to think that all I have to do is to write letters.

Regarding descriptions. I note that you prefer the oblique. Is there any reason why we should not follow our own taste in this matter? Personally I like the nominative with full stops. The advantages of this are really well worth consideration.

Size of the Folia: I propose a format similar to the last issues of the Journ. Linn. Soc. Perhaps a similar type, and a similar quality of paper as to surface. I note that you write about a smooth surface to bring out sharp lines in the illustrations, but it seems to me that a heavily coated paper is not only hard on the eyes but very heavy and difficult to use in a reference book. Perhaps you will let me experiment with papers and steer a middle course. We are beginning a very serious and important publication and we should avoid putting materials in our book that are perishable or that break down quickly under use.

Geographical distribution of common species. Is it necessary to cite collectors? *Isotria verticillata*, for example, is represented in herbaria by hundreds of specimens and is found halfway across the States and goes Sullivan to Florida and Mexico. Proper for such species a general citation, unless you feel that we should select a few specimens for special record.

Your suggestion regarding duplicate prints of illustrations is an excellent one. This will have attention.

Unless you object I intend to run the name of the species on the same line that begins the description. This will in the end save a vast amount of space and presents, in my estimation, a better looking page.

I have a number of genera under way and hope to finish them up promptly. My chief difficulty comes in *Plethylla*. May I depend on you to send me traces of your new things and any other species that you have drawn. *Calopogon*, *Arethusa* and *Crybe* are well represented in my collection, but your analyses of *Crybe* would save my time. <sup>(for illustration in Plethylla)</sup> *Calopogon* there are one or two obscure ones, but these I hope to clear away very soon. I made a careful study of the Lloydley material and my herbarium is rich in this genus. The genera I am now at work on are the following: *Alysiotum*, *Arethusa*, *Acriforis*, *Calopogon*, *Crybe*, *Plethylla*, *Hexaleptis*, *Isotria*, *Pogonia*, *Selenipedium*, and *Thecoetale*.

You once asked about *Catasetum arachnoideum* Ames. This is, surely, *Catasetum*. As I remember the case, I wrote up the plant in a gardening magazine years ago and drew my lines too close. So much for that.

I have schemed out a preface for the first issue. When I have time I shall dress it up and send you a copy for your criticism. I believe that the time taken now to make sure that we start right and attend to the smallest details will pay us over and over again. After we get out the *Crybe* and *Isotria* species, an Introduction or Preface, and see our proposed work in cold print, I am sure that the rest of the book-making will be a simple matter, indeed, and that as soon as ready the genera can go to press with very little delay. --- Fast enough to please even your ardent wishes for concrete results.

Yours faithfully,

*Charles D. C. C.*



14. Sept. 1921.

My dear Dr. Ames!

Not to let you wait too long, I will answer  
to day at least a few of your questions from  
your last letter, in a short style.

The Spiranthes or rather Brachystele Brene-  
sis is quite closely related to B. geyanensis =  
sis but surely specifically distinct. I am  
much afraid now, that it is identical with  
Brachystele agnoscens (R. & S.) G. & S. I will try to  
look out a specimen for you and send it on.

Of Dendrobium Wilmsianum I am enclosing  
a tracing of my type and a few flowers. I hope,  
this will serve you well.

The Florida Oncidium is surely a distinct  
species. I would propose the name O. floridanum  
for it.

Hedrothallis Hitchcockii Ames. until now I have  
been unable to identify from your sketch with  
anything, that I know. I will keep it in mind  
and try further.

The description of Erytopogonidium Bagelii Karst.  
I have copied and enclose it in this letter.

Of Oberonia neglecta Tchltr. I have made a rough  
tracing of the habitus and the analysis. You will  
see by this, that your plant is a quite distinct  
species from it.

I have got to-day your letter respecting the  
species of Physurus and have at once asked  
our artist to make proper tracings of my ori-  
ginals and my analytical drawings. I hope  
to be able to despatch all these in a few  
days. As soon as they are finished I hope to  
be able to get the Nabennaria from Central-  
America done.

I hope, that you have got my letter, which  
I sent a few days ago and the tracings of  
the Triphorens. As to Psidochilids I wish to  
point out to you, that the Psidochilids-plant  
seems specifically distinct from the West-Ind-  
ian P. macrophyllus, we might call it P. goud-  
kensis. Of the Brazilian species I have good  
material too.

I will write very soon more. With best com-  
pliments, in haste Yours very sincerely  
R. Tschekter.



North Easton, Mass., Sept. 16th, 1921.

My dear Dr. Schlechter:

The following genera are the ones I have referred to in my letters. *Carteria* Small, *Spathiger* Small Fl. Miami, (1913) 55. *S. rigidus* Jacq) Small. *Auliza* Salisb. Taken up. *Epicladium* Taken up. *Anacheilium* Taken up. *Nidema* Britton & Milsprugh, a new genus to take in *Epidendrum Ottonis* Reicheb. f. *Triorchus*, *Platypus* and *Habenella* are of course known to you. *Nidema* is characterized in the key as being pseudobulbous with an entire lip that is nearly linear.

Now I come to a very important point. I note how you sign your name in the case of *Grobya*, that is directly under the name of the Subtribe *Grobyeae*. But when you treat a single genus this method will mess things up as the citation of the original publication comes directly under the generic name. I propose the following way out, and I think it has very great advantages.

SUBTRIPUS XXIII VANILLEAE  
B. GREX *Apothemnostele*

FOLIA ORCHIDACEAE

GENUS *Cleistos*  
Auctore R. Schltr.

102. *Cleistos Lindley*,  
Gen. Sp. Orch ( ) 409.

This beginning of a genus page has the disadvantage of a repetition of the generic name. In any case it would be a good thing to get this data on the genus cover. Please think deeply on this matter and let me have your views by return mail.

You may not object to a break in the continuity of the work by bringing the author's name, as in the above case, under Gen. Orch. Sp. or other citations that may be necessary to complete the heading, that is

102 *Cleistos Lindley*

Gen. Orch. Sp. 409.

Rudolf Schlechter.

We should settle this matter right away as I want to get our work out at the earliest possible date. Give me more than one example of what would be in accordance with your taste in the matter.

If you are willing that I should do the *Heterilleae* please send me any data that you think I should have. I would then finish this group and add to it several small genera as a second contribution to the *Folia*. *Calopogon* and *Arethusa* surely should be mine as I live with them. I know *Crybe* too.

Perhaps before I receive a reply to this letter the printers will be setting up type. The details I am now troubling you with can be settled in time for the final proof. I shall send you sample sheets as soon as I get them. I also intend to send you a copy of my work on *Isotria*. This is done, of course, and simply needs to have a few habitats added for *I. affinis*.

I have not heard from you since July 31st.

It is too bad that we cannot settle down to a good long talk about the *Folia*. We could settle so many little points and smooth the way for a proper beginning. As it is, I am afraid that you will think that I am fussy and more concerned about appearances than results. That is not so. But I realize that we are embarking on a colossal undertaking that will take years to finish and unless we attend to the apparent trifles we will encounter snags that may necessitate exasperating changes as we go along.

Yours faithfully,

*Charles D. Coker*

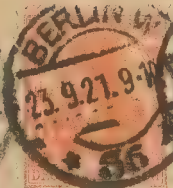
P.S. After making a few experiments I have concluded that all work should be signed by its author at the end. If we attempt to sign at the beginning all kinds of exceptions will occur. In every case the most prominent place for designating authorship will be on the genus cover. Therefore it would be unwise to give authorship under *Promenium* when actual damage to the flow of the work would be done. Please sign this year authorship would be given at the end of *Isotria* not at the beginning. (A)



Many thanks for  
the most interesting  
Kinn-Baldwin set of  
the Philippine-Galle-  
rion one you all has  
arrived. It contains too  
or lot of interesting material.  
Best thanks for this too

R. Schlechter.

**Dr. Rudolf Schlechter**  
Berlin-Schöneberg  
Neue Culmstr. 5a.



Dr. Vokes & Co.

355. Commonwealth Avenue

Boston, Mass.

United States & Canada





North Easton, Mass. September 25th, 1921.

My dear Dr. Schlechter: Your letter of September 7th, was most welcome. I had begun to fear that illness had overtaken you, but, it would seem that with you, just as with me, interest in work is a very effectual silencer in the realm of correspondence.

Your identification of the Venezuelan Epidendrum simply substantiates my final conclusion. So much for that.

Surely no better news could come from you than that about the Costa Rican duplicates! I am like a child, now, with regard to Central American material, and promises of specimens from that interesting and botanically historic region come like grains of gold in my correspondence. If you have any regard for me at all get this Costa Rican material under way, and if you have other central American things crowd them in. I shall heap blessings on your head when I receive this much desired acquisition. And leads me to ask that you have the one chosen to make tracings, concentrate on that long list I sent to you in August. I have a collection of Guatemalan orchids to work up and I must know what your new things are.

NOW FOR QUESTIONS:

1. Where do you place the following in your scheme of the *Spirantheae*  
*Spiranthes Arseniana* Kränzl.  
*Spiranthes bracteolaria* Kränzl.  
*Spiranthes comosa* Pedicb. f.  
*Spiranthes ensifolia* Feichb. f.  
*Spiranthes lobata* Lindl.  
*Spiranthes Nelsonii* Greenm.  
*Spiranthes porphyricola* Schltr.  
*Spiranthes Richardeana* Schltr.  
*Spiranthes rubrocallosa* Robins. & Greenm.  
*Spiranthes seminuda* Schltr.  
*Spiranthes Verkleyi* Schltr.
2. Why is not *Cranichis sylvatica* Fich. & Gal. in your list of Central American species?
3. Why is not *Cranichis parvilabris* Lindl. in your lists of S. Am. orchids? I enclose a photograph of what I took to be the type of this species. It seems to me to be a *Ponthieva*. If you agree with me, then we must make revision.
4. Why is not *Cranichis glandulosa* Fich. & Gal. a *Ponthieva*? A Müller specimen from Orizaba that I have in hand is an unrecorded *Ponthieva* from Mexico and in habit is a counterpart of the Fich. & Gal. type in the Mus. Par. Herb.

5. In working up Ponthieva and Cranichis careful research will be necessary, as the species seem to have been indiscriminately placed.
6. Tracings are much needed of your new Central American species published in Fedde Repert. XVI(1920)357, XVI(1920) Decas LXVI-LXVII. Endesiella, Chondrorhyncha Endresii, C. Feichenbahiana and species described in Decas LXIX.
7. Decas LXV is the last one that I have as a reprint.
8. Dr. Fedde has sent the publications I have referred to in my letters. I realize now that the Orch. Centr. Amer. was not published by Dr. Fedde. If you have a spare copy it would be very welcome.
9. I am having a print made for you of a very clear and excellent photograph of *Triphora pinetorum* Small. This is a native of Florida. It does not differ, I think, from my Cuban material from Santa Clara Prov determined as *Triphora cubensis*.
10. If you are still making new genera, please revise the numbers in the SYSTEM before we get to the final proof of *Crobya* and *Isotria*.
11. I do not believe that we should abandon broad subgeneric groupings too hastily. If we split up every group that will stand subdivision, the future will be horrible for those who attempt to identify orchid species. The subgenus is a great safeguard against generic synonyms. And I am unable to understand why a subgenus should monograph better when physically separated from its genus than when included in it. It may seem more final to pull out a small group and treat it as a whole, but have we done more than fool ourselves: a change in the scale of the thermometer does not alter the temperature. Furthermore, classification is for convenience in the final analysis, and in the meantime is for the use of those botanists who are not specialists in detecting the infinitesimal steps in structure that the close student in his delirium magnifies into leaps. Let us be cautious but not supercautious in our attitude toward segregation. If I could see real utility in genus making I would praise it. Perhaps I am a victim of that mental near-sightedness that characterizes one who links the younger generation of scientific men to the older. As I contemplate the type of work that comes from those who adopt every fad that makes for change in science and art, I begin to realize that the old time conscientious groping for truth in an atmosphere of precise thought is passing.
12. In your flora of Colombia you give both *Habenaria maculosa* and *Habenaria monorrhiza*. Do you recognize two species here? And how about synonymy?



Sept. 25th, '21.

12. Why do you refer *Cranichis monophylla* Lindl. to *Cyclopogon*? As I understand *Cranichis monophylla* it was made in Orch. Linden. The presumable type in the Lindley Herbarium at Kew, as I remember it, is not a *Cyclopogon* at all. I enclose a photograph of what I took to be the type when I studied this species. You do not give *Cyclopogon monophyllus* Lindl. in your Colombia or Venezuela lists, but in your SPIRANTHINEAE you give the habitat as CUPA. I am a bit puzzled by this situation and I really want you to set me right.
14. *Psilochilus macrophyllus* is a native of Guatemala. Cogniaux cites it from there and in my herbarium there is a Tuerckheim specimen that I have identified as *Psilochilus macrophyllus*. What is your explanation of the omission of this species from your Central American List.
15. I have been informed that Mr. W. A. Powell of Balboa, Canal Zone, Panama, proposes to publish a list of new species from Panama with descriptions by Schlechter and Felfel. And that next spring he proposes to issue a complete orchid flora of Panama! Can you give me some light on this? I am very much interested in this contemplated inroad of Powell into the realm of Orchidology and perhaps you are in a position to send me some much desired news. Have you determined much material for Powell? Are there many new species? Hasten to inform me about this matter. With the facilities at his command what can Powell hope to do. He will make a mess of things and add still another source of perplexity to the many that now make orchid work so difficult.

This letter has gone well beyond the limits of your patience, I know, but I think you will find somewhere in it a few points well worth attention. Just now I am looking forward eagerly for your next communication.

I think I shall send you a draft to-morrow to put you in funds. Then you will be in a position to know just how far to go with our joint purposes that call for an expenditure of money.

Yours with best wishes,

Robert C. Moore.

7. Oktob. 1921.

My dear Dr. Ames!

Your three letters, dated Sept. 12, 13, and 16, I have received a few days ago and as, for, as it is possible within such a short time, I will answer all three at once. The rest of the questions, which are all noted down, you will permit me, to answer as circumstances allow.

First of all let me thank you for the kind frankness with which you treat all these matters. I am now and more convinced that our cooperation will be a fruitful one to science.

1. But let me shortly start with your first (in your letter) letter. I have written to you from the beginning that I leave you full power as to any changes in my proposals, that you might deem needful or useful. For this reason I agree to any cover for the "Folia", that you think worthy. I know the matter is in test hands. It is of course good and practical, to have a cover for each genus, but I think, if we should treat or



2.

full group, we might save this expense, unless you wish for the uniformity. There are however quite a lot of groups, where there is only one genus and in this case most probably the uniformity would be spoiled all round, because the general part for the group should stand in the beginning of this only genus. I leave the decision here all together to you.

2 As to the preface, I have sent in some remarks on the introduction to the system. But perhaps you are right, that a general, short preface about the work would be preferable. I will think it over properly and within the next two weeks hope to be able to send my ideas. This preface, which, I think, should be quite a short one, as the work ought to recommend itself, is perhaps best published in English and German and simply undersigned by "The authors" or else by our both full names.

3. The system we might as well leave out yet, and, after a full reworking, give it under special cover. I will put all my

work, as far as possible under the circumstances at present, at once to it, and try that we get along as soon as possible, and to the proper number the genera. I am however afraid, that this means several weeks of hard work again, until I have got all the citation and synonyms together. The putting in of a- and b-numbers will be, as we progress, and in fact as Preliminary progresses, unavoidable. When I had drawn up my first list, I had not yet seen the Archid.-Review since July 1914, which has been now presented to me by the new editor, and from which I see, that several of the new genera and changes, that I have proposed, and other ideas were independently taken up by Ruthe. too, in some cases he is the first, in others I antedate him.

4, 5, 6 & 7. As to Ponthicera, we must write later on. I have got very good materials and intended in fact already, to publish a short revision of the Gravichione, which next to disiere and disperidone, I always regarded as one of my hobby-groups. If you wish to work it, I will put all my drawings etc. at your disposal, or else we might do it together. I have got several novelties yet. I will get you tracings made of all my new and rare species. P. yvontanaensis is amongst them. My determination of P. vortr is of course wrong and changed already in my herbarium long-ago. The P. gloriolulosa-Group is very difficult, and even more so the P. montana-Group.

8 The duplicate-copy of Arch. Centr.-thun. is sent off some time ago and surely now in your hands. If you wish, I will put one or two more to your disposal.



9.10.11. The Triphora-tracing, with notes on Trichia in your  
hands for all records. The new Trombicaria was collected  
1907 at Munro, on rocks, by R. Figueira.

12. Many thanks for the two packages, that have arrived all-  
ready. I have got heaps of splendid Costa-Rica things, but  
aside for you must later on I will try to spare more of the  
different wanting types from my herbarium, just as you  
need them, and as far as there is anything to spare.

13. I quite agree with you respecting the sequence of the coverings.  
As they come out, they can be numbered. The title to the covers  
of genera or groups I leave all together to you.

14. I have specially engaged some body, to get tracings made  
for you of my Costa, Uphylone and Uphylone. They are in  
progress since a week already.

To your letter of Sept. 13<sup>th</sup>

I am just as well satisfied with the nominative and  
full stops for the singulars, as with the relative. The  
booker was an old witness of mine from younger days and  
therefore kept. I decide what we should take and stick  
to.

Side of Folia: The format of letter issues of Linnean  
Society I find quite a good proposal. As to the paper  
to choose, I know the question is with you in best hands.

Geographical Distribution: We need not cite <sup>(all localities and)</sup> collectors  
in very common species like European & North-American,  
but I think it desirable, to give there a fairly complete  
enumeration of the countries and the areas of distribution.

I do not think, that we will save so very much space, if we  
 we run the name of species on the same line with the description  
 if we let each species <sup>(name)</sup> follow the <sup>citation</sup> description. Besides, I am rather  
 of opinion, that it is worth the ~~whole~~ space must more clear, if  
 each synonym with citation has got its own line. The page  
 is perhaps better looking, but I think one can find the sy-  
 nonym easier. But here too, I leave the final decision  
 to you.

I would be y<sup>our</sup> Lord to have <sup>your</sup> the preface for the first issue, as  
 you think it good. I will then make notes to it, and I hope,  
 that we will agree in all points. As we are aiming both  
 at the same ideal, I am sure, that we will agree. In this  
 point you are surely right, that all these questions  
 must be settled before we start. But as you see, I am  
 giving you "plein pouvoir" in most of these questions  
 and I hope this is saying matters.

In your letter Sept. 16.

The way, how we should cite the authorship of the <sup>own</sup>  
 work of each genus, is of course very important. I would  
 have nothing against your proposal:

102 Gleister Ed.

Gen. & Spec. Orch. p. 409.

Rid. Schlechter.

but the difficulty comes in, if you have to cite, like in many  
 genera, many synonyms to the generic name. I therefore would  
 make another proposal. Let us simply put in the corner  
 at the <sup>head</sup> ~~foot~~ of the ~~page~~ each page in the generic name and



in brackets the name of the one, who has done it. Like:

Gleistes (Schlechter) n. 1.

or: Gleistes (Schlechter) Folio Orchidaceae 1.

or: Gleistes (Schlechter) 1.

If you prefer your proposal then let it be:

102 Gleistes Kindl.

inverre L. Schlechter

Gleistes Kindl., Gen. Spec. Orch. (18.) n. 409.

follow eventual synonyms.

As far as the different questions, as far as I can answer them at present. I will properly attend to everything else and bear your wishes in mind.

I can only write now about the supposed Vienna-trip, as Mr. Camille Schneider has returned to Berlin only a few days ago. According to his and other informations we might reckon for a two weeks stay there (for which I would yet leave) as follows:

Journey to Vienna and back (including baggage and passport - visums) — — — — —	c. 1500 Marks.
Stay in Vienna for two weeks (c. 160 M. a day)	2250 "
A help there for drawings and tracings (10 M. per hour, c. 80 M. per day) 14 days — — — — —	c. 1100 "
	<hr/>
Summa	4850 "

To this should be added for unexpected price-risings and other expenses c. 20% — — — — —	950 "
	<hr/>
Summa	5800 M.

That means, roughly speaking, 6000 marks for the voyage of 14 days. I have personally the impression, that with Mr. Schneiders figures pretty high rates were taken, but as I do not know the circumstances there now, I cannot judge. I am sure, that with this amount I will get along quite well with for the voyage and the paying of straight money and for things. The latter would be from my own knowledge of Reichenbachs herbarium the chief thing. To take photos would in most cases be useless, as most of his <sup>types</sup> ~~specimens~~ are not over good and consist only of flowers. But this must be decided at Vienna, what is best.

You write in your letter of July 28<sup>th</sup>: "If there are other items of expense to consider let me know them and if agreeable to you I should ~~expect~~ expect to add or borrow to make the trip worthwhile for you". This of course I must leave altogether to you. You can be sure, that I will devote all my time there to your own interests and that I expect you will be very satisfied <sup>with</sup> the results, that I will bring for you from this trip.

If you finally decide for my going to Vienna then let it be as quick as possible. I would first of all then take tracings of all the types of ~~plants~~ <sup>herbarium</sup>.



perent you can, that you wish to work upon next, and besides get copies taken of all the Central-American species, mentioned in your list, that I can find in his herbarium. Let me have your wishes at once and as many as you think, that I can finish about in this time. If you wish, to get photos taken, it would most probably be much more expensive and time taking, than sketches of the originals and tracings of <sup>Reichenbach's</sup> drawings, which exist with nearly everyone of his types. Besides, I hope, to get through a kind of exchange-treaty between you and Vienna. However this we must see yet.

I am sure, that you most probably <sup>(will)</sup> see the need after the first experience, that I should make or similar visit to Vienna again.

This letter has now become a very long one, but I wished to answer all your questions as far as possible at present. I hope you will be able to digest all the answers. At the same time I hope, that you will see, that I am trying to agree with you in every possible way.

Yours very sincerely  
R. Schlechter.

Memorandum Foreign Check Issued

(Check should be sent by registered mail)

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10/24/1921

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In duplicate

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Yes — No

By



Ⓐ

355 Commonwealth Avenue, Boston, Mass.

October 24th, 1921.

My dear Dr. Schlechter:

This is just a hurried note to tell you that I have just moved into winter quarters and that I am overwhelmed with work.

I enclose for your acceptance a draft for one hundred dollars. This amount is to be used on the drawing account and I hope it will go a long way toward finishing up the Central American species. Keep me informed as to how these funds hold out.

I have a great mass of questions and suggestions for you, but these must go over until my next letter.

I have not heard from you for several weeks.

Yours sincerely,

*W. H. S. S. S.*

Oct. 26 1921.

My dear Dr. Ames!

Best thanks for your letter of Sept. 25<sup>th</sup>. I was waiting a few days with the answer in the hope to get the other letter, which you announced, but a better answer now, at least as far as possible, to avoid a too long delay.

The Costa Rica duplicates I will send off as soon as I have determined everything. You can be sure, that I will do my best to let you have good material. As other collections are announced already I hope to be able to add yet many more specimens.

I have got too the all the parcels with the Philippine-material from you. Many thanks. These are important addition to my herbarium contained in them.

As to your questions:

1. About the Spiranthes I could not place them all yet. The species from Königshin and some of Rehb. f. I have not yet seen. With Spiranthes Welsoni it is the same. Of the others my material was too scanty. I will report about this question later on. S. rubrocollusa and one of my species are based on the same number. When I described



- mind, I did not know the publication of I. subrotunda.
2. I have already noted down the omission of Gravichia silvatica in my Orch. Gen. Amer. I have in fact several additions to make there and hope to publish some day a supplement.
  3. Gravich. parvifloris Hall. was omitted too accidentally. I have now a specimen from Herming - Venezuela identified as this plant. It is surely a true Ponthieva.
  4. Grav. glandulosa I had not seen then and therefore left it where it was.
  5. I have found out in several species of Gravichia and Ponthieva, that they were wrongly placed. Several Gravichia have to be shifted into Ponthieva.
  6. I have now somebody at work making sketches and drawings for you. I will include the Eudresella and Chonobrychus too.
  7. I will send of all the Decades since LXV to you tomorrow.
  8. The copy of my Orch. Gen. Amer. and several other publications must have reached you by now.
  9. Best thanks for the print of Triphora pineiformis as came yesterday. I will examine it more closely and write about it. It looks very much like T. cubensis.
  10. I will revise the numbers closely in the System which I will send as soon as possible. There are yet a few additions.
  11. The more I work on the Orchids, the more I see

that some of the genera were too broadly limited by Reichenbach and especially Benth and others. See only your own work on Pugonia and some of Hitt or even Rolfe later publications.

12. Harb. marubra and H. monochlora were regarded by Cogniard as distinct but I doubt if he is right.
13. I do not know how this slip was happening that Crucianus monophyllus was put as synonym to Cycloprogon monophyllum. It was erroneously taken over from Cogniard. Cyclop. monophyllum was actually based on Tandroglus monophyllum Grisch.
14. The Psilochilus from Guatemala is evidently distinct from P. macrophylla from West-Indies. I will copy get more for you to point out the differences.
15. I have received and all determined already from Mr. Powell about 200 numbers of Panama Crucians. The first set of new species will be published soon. Mr. Powell himself has nothing to do with the determination. But he is very enthusiastic as collector and asked me to do the determination as he has vainly waited for years for them from Rolfe. There are nearly every week new lots coming in from him, each package



always containing 2-3 species or numbers.  
The number of novelties is considerable.  
If you wish, I will write to him and ask him  
to try to get a specimen of each aside for  
you. As yet. Until now his ~~the~~ specimens con-  
sist mostly only of a few flowers, but he has  
promised to send complete specimens and  
partly has done so already.

I have got already a wide number of tra-  
cing made for you, especially of the different  
Ponthieva etc. These I will send in a few  
days, when there is sufficient together.

The so-called Ponthieva glandulosa from  
Cortez Rica and Guatemala etc. is quite a  
distinct plant in the herbaceous, which is verru-  
lose inside, whereas in the true P. glandulosa  
it is quite smooth as already Reichenbach poin-  
ted out. The Veronica-plant is different  
too.

In a few days I will write more. For to-  
day you must be satisfied with this. I was  
sick up for some days and could not do any  
work. I am yet a bit tired. Excuse therefore the bad  
writing. With best wishes

Yours very sincerely

R. Schlechter.

27. Nov. 1926.

My dear Mr. Ames:

When I last wrote to you on the 23 Oct. I did not expect, that it would take such a long time until I would be able to write again.

I had so much overworked myself (often from 5 a.m. until 12 p.m.), that I had a regular breakdown. For the last four or five weeks I was simply unfit to do any proper work and the doctor advised me, to have a regular rest, although I could not pull myself away from my regular midweek-work.

Now I feel myself altogether refreshed and will take up things with the old energy.

I have safely received the money for the Vienna trip and besides the cheque for 100 Dollars, which I will spend in the way you wished for, that is for getting tracings made of my originals. Many thanks for these sums. You can be sure, that I will do everything to get the things through to your satisfaction.

In the meantime you will have received



The roll containing the sketches of quite a number of my types and I am sure that you will say yourself, that they are splendidly made and show much more, than a simple photo could show. The only I have engaged is doing the habitus sketches very exactly (life-size) and the analytical drawings are made by myself. 20 more of these drawings are finished and will go off again, as soon as I have got 40-50 together. As these drawings are quite laborious I have to pay 15 generally and for the more complicated ones 20 marks. At the present rate of exchange I expect you will be satisfied with this?

Tell me as soon as possible a proof-sheet of the "Folia", that I can start with the Utricularia, which I have now all drawn.

As to the Vienna-trip, I have written to Dr. Rohlf-Bridchner and asked him, when I can come there. I hope to be able to go there in January or February, but the question is, if they have any coals, that one can work now in the herbarium. I will report to you, as soon, as I hear from there.

I will be quite delighted to do Ponthier & Ernrich jointly with you.

As to your question: Are we drawing lines or

close, that soon it will be impossible, to recognize  
lines of demarcation? " I answer to you, that  
I allways have tried to avoid this, but when  
I see that many of the so-called widely diffused  
species are quite different, when one compares  
them from different distantly lying countries,  
then I come more and more to the conclusion,  
that Orchids are generally well localised.  
The Epidendrums of the Ampliglossum-Christ-  
chian set, that is E. raticum, E. Lindenii etc. etc.  
are indeed extremely knowing, but I hear  
from all the collectors, that one species comes  
where another one starts, and that in nature  
one can recognize them at the first glimpse.  
What actually the true E. Lindenii is, I do not  
know yet, having no type material.

The key, I have drawn up for Triphora, should,  
of course not be a final one. I could only use  
the distinguishing characters, that I could see  
in the dried material, it was only meant to  
give you my general view on the matter. My  
specimen of T. mexicana I had to take as a  
copy, since it was distributed by Pringle.



especially as n. sp. and came from the same locality as the type. I suppose that Wortman himself must have seen this material too. After I had drawn out my analysis I found that it agreed quite well with the original description.

Yesterday I have received too another parcel from you, containing 108 specimens of the Vanoverbergh set. I thank you very much for this material. You can be quite sure that I am going to send you a very fine equivalent. Later on, when we are working the different genera through I will send you yet whatever I can spare them, bits of my types and the Central-American things that I can spare in duplicate will amount to a fine lot. Besides there will be yet 500-600 New-Guinea specimens in store for you.

I only must have my hands a bit clearer again until I can start with the distribution.

Now after I am feeling well again, I hope to be able to write very soon again and besides, as soon as we have started, we will be able to go splendidly ahead with the "Tolia".

With best wishes

Yours faithfully

R. Schlechter

I have almost and a bit of the European species, wanting in your collection. I will then try to get you, what I can.

355 Commonwealth Avenue, Boston, Mass. Oct. 30th, 1921.

My dear Dr. Schlechter:

Your letter of Oct. 7 has just come. I assure you that in all matters relating to the construction of the Folia I will use my very best judgment. Now that I know how you feel about leaving to me the mechanical details there should be no delay in getting the first issue through the press.

To-morrow I intend to get some money to you for the Vienna trip. Perhaps this can be sent by cable or telegraph.

I have no claim to Ponthieva and Cranichis. We might do these jointly if you do not object. Just as you please.

My laboratory is in full swing now and I am better situated to do good work than ever before. But as I settle down to a genus I find myself filled with caution. This does not prove conducive to quick results. Perhaps orchidology has grown too complex/ At least I no longer have that comfortable feeling that a determination is correct. Question: Are we drawing the lines so close that soon it will be impossible to recognize lines of demarcation. Take the Epiden-



runs of the "Lindenii" type. I find them positively puzzling even when I have good material for comparisons.

Your letter regarding the *Triphoras* arrived so late that I decided to postpone the treatment of *Triphora* for a supplementary leaflet issue of *Orchidaceae* that I intend to establish. I just presented my treatment of the United States species with references to exotics where these seemed necessary. Your key, by the way, bothered me as you seem to have overlooked one or two characters that upset it. *T. trianthophora* has distinct carinae. If you depended on the formaline material I sent you for a study of the lip you would be very likely to go wrong as the delicate tissues of this superdelicate species go all to pieces when preserved in liquid. I must also send you a tracing from the type of *T. mexicana*. I fear that the specimen you regard as the type is the topotype. This was sent out as *Pogonia mexicana* Watson n. sp. but was collected a year later than the type. I believe the type is unique.

With the best of good wishes,

Yours faithfully,

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Dr. Rudolf Schlechter  
Berlin-Schöneberg  
Neue Culmstr. 5a.

7. Dec. 1921.

My dear Dr. Smees!

From Vienna I have received news, that I might come any time. However, as they have no light in the afternoon and the days are too short at present I contemplate to go there at the end of January and beginning of February, when I will be able to work there from 8 a.m. until 4 or 5 p.m. at least.

This will give you time too, to put your special wishes down. I have, of course your list of Central-American Orchids, of which you wish copies, but I presume, that you have special wishes besides, and these I wish to fulfill to the utmost of my ability.

Of my own types and what I have got from Reichenbach's species I am getting in the meantime copies made here. Every week there are 10-15 finished and like this with the time you will have copies of all my species and of many

Reichenbachian ones from Central-America.

What do you think about the copies that I have sent you already? Don't you think that they are much better than photos, or do you wish me to get the sheets in Herb. Reichenbach photographed?

From what I know of Reichenbach's Herbarium I am afraid, that you would not be able to see much on such photos and it will be most probably less expensive to get proper sketches made in the way, that I have sent you samples of my own Herbarium. Please write to me fully about this question.

Of many of my types or cotypes, otherwise of duplicates, of Central American Orchids I will be able to send you specimens besides, or else, where the material is too scanty, sample bits or a few flowers. Like this I hope to be able to complete your C. American Orchid Herbarium fairly well with the time.

Do send me a proof sheet of the "Folia" as soon as the Grobyen have been set, that I might start at once with further manuscripts for the work.

Yours very sincerely

R. Schlechter.



355 Commonwealth Avenue, Boston, Mass. December 29th, 1921.

My dear Dr. Schlechter: First: all the best wishes in the world for the coming year.

I have been busier than ever before in my life, but my efforts seem to be comparable to those of the fabled frog who in trying to escape from a well of water fell back three feet every time he jumped up two feet.

Fascicle VII of Orchidaceae is almost ready for publication. This opus has kept me very much occupied, because I tried to include in it all of the new species from two large collections made in Mindanao and Luzon. That is after the proof of Orchidaceae began to come in I undertook to work up one set from the Mountain Province of Luzon which contained over one hundred numbers and eleven hundred duplicates, and one large set from Bukidnon in Mindanao, and to include the new species in my manuscript. I almost rivaled your record in the hours of work, and as a result I felt the need of a rest in the country when my labors were ended. I returned to the city yesterday and immediately took up my work again. Of the Mountain Province collection I set aside a very full set for you that contains several interesting novelties as well as some good duplicates of species that have not been collected since Merrill's expedition to Mt. Dana in 1906.

Proof of the Folia will go to you soon. This work has been held up by the general depression in the publishing business. We are having a disagreeable time of it here and some of our scientific magazines are just coming out with the April and August numbers. Some magazines are on the point of suspension owing to the hard times and the high costs of printing.

The tracings of types are very satisfactory. I think the pencil records are really superior to photographs done the way you are

December 29th, '21.

having them done. I have just mounted up the last series and the drawings make a very substantial addition to my herbarium. I hope you will keep the work in progress and concentrate on the Central American and South American species. I am more interested than ever in Central American orchids as I have consented to do the orchids for Dr. Standley's Central American Flora. I hesitated a long time before taking on this additional task, because I want to have all available time for the Folia and for my work on the Philippine orchids that are coming in from Ramos.

This brings up for consideration your work for Mr. Powell. How are we going to avoid confusion if we both devote attention to the Central American realm? Just now I have all of the specimens on hand from Kew that Powell sent to Rolfe, but I dare not touch them in view of the fact that you have also received from Powell what must be equivalent to a duplicate set.

You already have a list of my Philippine desiderata. To it add Sarcanthus pugioniformis Reichb. f. I do not know this and would welcome a tracing if you have material for a copy.

I have not yet received the list of determinations of the Wilson Chinese orchids mentioned in another letter. You promised to attend to this, but I suppose the matter slipped from your mind.

I am very sorry to learn of your break-down from over-work. You must take better care of yourself and realize that the human body is simply a machine and that abuse will injure it.

Your letter of the seventh December and your post-card dated Dec. 13th, are just here. Two thousand thanks for the jewel made of Liparis Wendlandi Reichb. f. A most acceptable jewel! and just in time to be a Christmas gift which I will treasure through life. I must enclose in this letter a jewel for you. What it will be I



December 29th, (21.

do not know as I write these words, but it will surely please you.

I am sending to you under another cover a couple or reprints and a copy of the Journ. Straits Branch that contains my bibliographical list of Bornean orchids. I believe there was a very limited supply of this, just enough for the members of the Society, so this copy I am sending to you may be a welcome thing. Fasc. VII of Orchidaceae should be ready for you by the end of January.

Why has only one copy of "Peru" been sent to me. I understood that I was to be given extra copies in view of the fact that I helped out with the printing costs.

In one of my letters I referred to a bonus on account of the Vienna trip. Why not six thousand marks? Take this amount from the draft <sup>for our luncheon charges</sup> recently forwarded and acknowledged. This seems little enough.

How about the list of Lehmann numbers with determinations? Such a list would be very welcome just now as I am looking forward to a large collection from northern South America being made for me by the Mulford Biological Exploration of the Amazon Basin. You will remember that I have an efficient collector on this expedition and that you are to share in the duplicates that are obtained. The last reports from the expedition ~~were~~ encouraging, although turbulent streams upset some of the specimens and supplies including much needed ammunition.

Sketches of the Reichenbachian material will be preferable to photographs, although it might be well when you think wise to try a few photographs of very critical things that would be interesting in a photographic record. Use your own judgement in every case. I am ready to rely on your decisions.

The copies of Orchis have arrived in good condition. I hope you will complete my files and send me a bill for subscription and cost of postage.

December 29th, '21.

What do you make out of the Guatemalan Habenaria represented by J.J. Smith 1583 and Thieme 739 5552?

When you are in Vienna it would be well if you looked up the following:

Dendrobium Bullenianum R.f.	Habenaria falciger R.f.
" ceraula R.G.	" tipulifera Par. & R.f.
" cerinum R.f.	Trichoglottis atropurpurea R.f.
" conostalix R.f.	
" metachilinum R.f.	
" modestum R.f.	
" profusum R.f.	Trichoglottis Solerederi Kranzl
" Aclinia R.f.	
Eria rhodoptera R.f.	Also Kranzlin species from the
Bulbophyllum <del>brachyphyllum</del> R.f.	Philippines described in K.K.
" cuspidilingue R.f.	Hofm. XXX(1916)
" maxillare R.f.	
" braccatum R.f. !!!	
" Makoyanum R.f.	
" saurocephalum R.f.	
Grammatophyllum Wallisii R.f.	
Dipodium paludosum R.f.	
Sarcochilus pusillus R.f.	
Luisia valida R.f.	
Ceratostylis retisquama R.f.	
Saccolabium pumilio R.f.	
Sarcanthus subulatus R.f.	
" racimifer R.f.	
" striolatus R.f.	
Cleisostoma ringens R.f.	
" subviolaceum R.f.	
Coelogyne chloroptera R.f.	
" marmorata R.f.	
Eulophia venosa R.f.	
Pholidota triotes R.f.	
Coelogyne pumila R.f. !!!	
" rhombophora R.f. !!!	

Of the above species I have already sent you a list before. I simply give you this supplementary list in case you have misplaced the earlier one.

I am setting aside as I distribute specimens a set of co-types for Vienna, also critical specimens. The pile is growing rapidly and at the first word from you I will send what is ready to Vienna. Or if you think it wiser, I will send the material to you so that you can send it to the proper authorities. I do not know how safe it is to send parcels to Austria at this time. You must inform me as to this. I have other sets ready for distribution. Can you inform me of any museums that have orchids for exchange?

Yours very faithfully,

Charles Ames



Dec. 13. 1921.

Dear Mr. Ames! I am just sending you  
this hurried note to inform you, that Dr. Reich-  
bachner has written me from Vienna, that I  
will be welcome there at any time. I therefore will  
start at the end of January. Most probably I will  
then stay for three weeks to make the trip worth  
the while for you. If you have any other wishes  
respecting Reichenbachian types, please let me  
know. I will certainly try my best to fully  
satisfy you. With the best wishes for

Absender

or merry Xmas and  
or happy New Years  
Yours very sincerely  
R. Schlechter.

**Dr. Rudolf Schlechter**  
Berlin-Schöneberg  
Neue Culmstr. 5a.

Postkarte



Dr. Parker Ames  
355 Commonwealth Avenue  
Boston (Mass.)  
United States North America



355 Commonwealth Avenue, Boston, Mass.

January 6, 1922.

My dear Mr. Schubert:

I enclose three specimens of *Stelis* from Guatemala. Will you kindly examine these and ascertain if my identifications are properly made?

*Stelis hymenantha* Schell.      Johnson 506

*Stelis microchloa* Schell.      Johnson 729

*Stelis connixta* Schell.      Johnson 739

The sepals of 739 are three-nerved, the upper sepal broadly elliptic, not oblong and apiculate. They agree well with Tuckerm II 1841 and II 1917, specimens distributed as *Stelis microchloa* Schell.

My identification of *Stelis hymenantha* is based on a specimen of Pursh's No. 1870 determined by you and preserved in the U.S. Natl. Herb. This material has the flaves about much shorter than the lob. I imagine this is a very variable species.

Perhaps you will send to me <sup>very</sup> soon one or two from your *Stelis* spec.

Yours always sincerely  
Charles Oakes

Copy

some flowers of the Reichenbachian  
types, that you need. He has generally  
consented, but wishes, that he is getting  
your books, which are much needed here,  
and that you should send him shipwreck-  
specimens of your Philippine-  
collectors in exchange. When you see, how  
the scientific life is going on here  
you will understand this wish, and  
for the future (you will often the Herbarium  
Reichenbach) I would strongly advise  
you to answer favorably to his  
letter, which you will get soon.

My wife writes me, that there are  
letters from you there in Berlin,  
they were not forwarded on account of  
the high postage. Yours sincerely R. Schimper.

Dr. Rudolf Schimper  
Berlin-Herbarium  
Neue Gasse 51.

Vienne, 8. Febr. 1922.

My dear Mr. Dunes!

You have been writing to me some  
months ago, that you have spent  
three days in looking out the  
shipwrecks of the Philippine-Orchids.  
With what I have done now here, I expect  
that you will be amply satisfied. I have  
not only got you copies of the most of  
the Philippine Orchids wanted for you  
but too of most of the Tentative-Orchids  
con- ones needed here from Reichen-  
bach's herbarium. The Herbarium-rooms  
were not heated and one day  
I felt myself simply frostbitten.



prostrated and the doctor, whom  
I called simply unaided me, that  
my feet were altogether frozen. I <sup>hardly</sup>  
could believe it, and yet it proved  
true, they were altogether swollen.  
However I was able to continue my  
work on account of my strong con-  
stitution within four days and  
you will see, that what I have been  
doing was well worth the time and  
the money. I had at last a leave  
of three weeks from our Minister  
and it was granted.

As to the costs of this voyage, which

was at first contemplated for 2 weeks  
and was extended for 3 weeks, I can  
tell you, that it much surpassed my  
last estimate. Happily enough I had,  
before going to Vienna, heard in Berlin  
how prices had gone up in December  
and January, and being cautious I  
have asked to transfer another step  
out of yours in the light of 5000 Marks  
here. So I have have to draw besides  
the 8500 Mks. sent to me by cable  
about 2000 Mks. more.

I had a very able straightforward man and  
besides have arranged with Fr. Loh-  
wischer to send you as far as possible

355 Commonwealth Avenue, Boston, Mass.

Februaru 24th, 1922.

My dear Dr. Schlechter: A long time ago I sent to you a few specimens and some photographs in the hope that you would give me your opinion of them. The specimens were *Stelis* spp. and the photographs represented among other things your *Epidendrum polychlamys* and *Hexadesmia micrantha* Lindl. To-day I am sending to you a few more photographs for you to pass on as they are chiefly Lehmann numbers from Colombia and Tonduz specimens from Costa Rica.

It seems to me that you have drawn the lines pretty close in your treatment of Central American *Microstylis* and, by the way, did I ever draw your attention to the fact that the tracing of *M. carpintera* Schltr. that you sent to me does not match the type specimen in the United States Natl. Herb.? *M. micretoides* seems very close to *M. gracilis*. What is the critical difference between these closely allied species?

I have received from Mr. Powell a specimen of *Lockhartia mirabilis* Reichb. f. said to have been determined by you. The details of the flower are not in accord with the plate in Xen. Orch. and I wonder if you have analyses of authentic material that you could send to me.

By the time this letter reaches you I hope you will have been to Vienna and that aside from a valuable set of tracings you will have good news for me with regard to exchanges.



I have set aside some very good specimens for the exchange and I am anxious to receive material at the earliest possible time.

I have not received any tracings from you since November or early December. I hope nothing has happened to interrupt the preparation of these helpful and valuable documents.

Yours faithfully,

24. Febr. 1922.

My dear Dr. Auer!

After returning from Vienna a week ago, I had to try to heal out first my feet, that were all together frozen during the three weeks stay in the heated rooms of the Herbarium there. You see, that I have done whatever possible there for you. Most probably you will be quite surprised to hear, that I have brought back from Vienna for you nearly 200 tracing of Reichenbachian types from Central-America and the Philippines. Are you satisfied with this?

The costs of the travel amounted to altogether 975 Mk. as I had received for it from 800 Mk. I have taken the rest summe from the other funds here.

To your other questions in the two last letters I am going to answer shortly. I must first bite myself through the bulk of correspondence, that has accumulated during my absence.



The costs of living in Vienna have become very high. When I went the railway-fare amounted to 500 M. about from Berlin to there, returning I had already to pay over 1000 M.

What will give you special pleasure is the fact that I have arranged with Dr. Reichenbachner, that they should send you of any Reichenbachner types (wherever possible of course), that you would ask for a flower or two. I have promised them for this on your behalf, that you would send other material, especially from the Philippines in exchange. They have not got your books, the volumes of the "Orchidaceae" there and you would surely do them a great favour, if you would send them, as at present they cannot afford to buy them.

I will pack the tracings of Reichenbachner types soon up and then send them along to you.

Write to me, if you are satisfied with what has been done for you in Vienna, or if you would have expected more.

Many good wishes and best compliments

Yours very sincerely

R. Schlechter.

Dr. Rudolf Schlechter  
Berlin-Schöneberg  
Neue Culmstr. 52.

11. March 1922.

My dear Dr. Auer!

I have just got your letter of February 24<sup>th</sup>.  
and I can quite understand, that of late you  
have been disappointed with my correspondence.  
However there is good reason for it. First of all  
during journey I had a new attack of Grippe  
and hardly feeling well again I went to Vienna.  
There I have been working hard for you for three  
weeks in spite of the Hofmuseums not being hea-  
ted, while we had -14-15° of Reimwind. However  
I was able to finish my work and as I wrote to  
you already with the greatest success. You will  
have got by now my letter from Vienna and  
the subsequent one from Berlin, and you will  
know that the result of my working in these quite  
cold rooms, where it was often not possible to  
keep a pencil in the hands, was, that I had got  
my feet altogether frozen. Happily enough  
the stonemason, whom I had engaged was  
sitting in a room, where there was at least some



kind of heating arrangement, but I had to remain in the cold to look out the specimens needed. For instance for the 5-6 Philippine Dendrobium it took a full day, to find the specimens out. I returned to Berlin with quite frozen feet and now I still am not restored and at times can hardly move about without feeling awful pains.

However I hope to be in order again in a few weeks as the healing-up of the toes, that have pretty been breaking up, seems to make a good progress now.

From my last letter you will see, what success I have had in regard to get the tracings for you in Vienna and in making arrangements there for you. I hope you will be well satisfied.

These tracings together with quite a lot of these made from my own types will go off soon to you. Prof. Diels has expressed the wish, that the Vienna tracings should be copied for the Berlin-Herbarium before going off, so I got special leave for the Vienna-journey from our Ministerium. They will, I hope will be ready within a few days and then

When I saw the only flower of type in Vietnam it struck me, that I might have made here a wrong determination, but yet his description seemed to agree with plants I had formerly received from Eastern Rion and Panama. I will report on this more closely as soon as I have settled the question.

About the other questions I will report in my next letters.

At present I am not at all in a healthy condition. I fear I have been overworking myself and my nerves have been suffering badly. Perhaps I will have to take a rest and leave all the work aside for some weeks, to be able to continue work again with the old energy.

With best wishes yours very sincerely  
R. Schlechter.

P.S. Only by accident I discovered today that our servant girl has forgotten to post this letter and has left it lying in till now.

9. May 1922.

Best compliments  
R. Schlechter.



the whole lot will go off to you. You will get together with the drawings of mine a very good material for further work on Central-America and the Philippines.

As to the Microstylis-question, the type-specimens from which I have described the species are actually there, that I have got in my herbarium. It might well happen, that in the G. J. Hart. Herbar. there might be something else lying under the same number. I do not think, that I have been drawing the lines too close. It might of course be possible, that one or the other species is going to fall into one formerly described. But what could I do? I was in the same position as you, when you started to work on Philippine Orchids. I had to take my chances or else to wait untill the Reichenbachiana herbarium was going to be opened. As to M. microtricha Schltr. I had later on my doubts about its being distinct from M. gracilis, but there were several discrepancies, that induced me to keep it up untill I have had a chance to examine flowers of both side-by-side.

About the Lockhartia mirabilis-question I am not yet sure. I will examine it once more.

355 Commonwealth Avenue, Boston, Mass.

March 22, 1922.

My dear Dr. Schlechter:

I was delighted to receive your Vienna letter, although the sad news about your suffering from the cold in the unheated rooms made me feel that I was in part to blame for your discomfort and for your frozen feet. Now I have your letter of the 24th February and I am hastening to tell you, now that I know you are at home again, that I am sure to be pleased with what you have done for me and that I am unable to express my thanks to you in a way that will make clear my true feelings. You say you have two hundred tracings of Reichenbachian types for me. I did not dream of such a possibility! How can I ever repay you for such a substantial piece of help? Now I shall be worried until the tracings arrive safely and become a part of my working collection.

I do not intend to trouble you with the many questions I have to ask. Time enough for them, but I want to let you know that I have decided to sail for England on June 28th, and that I am planning to be in Berlin either in July or August. I feel that we must discuss through some better medium than letters the details of our proposed undertaking, therefore I am coming to you, reluctantly on the one hand, eagerly, on the other. To leave home now means many sacrifices. But I cannot see how we can arrive at a working agreement without sitting face to face for a while. And, furthermore, the pleasure and profit of a meeting with you will repay me a thousandfold for the penalties of travel and the loss of results to be obtained by a summer of work at home. Mrs. Ames and two of the children will accompany me.

Let me hear from you again soon! And send as early as possible the tracings of your types and the Reichenbachian ones. If you are short of funds let me know what you need.

Faithfully,

*Complete set of Reichenbachian types sent to Vienna!*

*W. L. Ames*



355 Commonwealth Avenue, Boston, Mass. April 14, 1922.

My dear Dr. Schlechter:

The roll of tracings arrived by mail in perfect condition and proved to be above expectations. What a mountain of work they represent! I cannot thank you enough for your kindness. The tracings of types from your own herbarium are beautiful productions and are most helpful. I hope you can have more of them prepared for me so that all of your Central American types will soon be represented here.

The December number of Fedde's Repertorium has just arrived. I note that Dr. Kraenzlin has given us some new species to digest. I wish it were possible to obtain tracings of the Philippine novelties. In working up one of the Philippine *Bulbophyllums* he states that he has searched the literature up to 1912! I believe I have published thirty or more species of this genus from the Philippines since that date. Kraenzlin's *Oncidiinae* has also come to hand. Although I have not yet been able to study this work, I find that it fails to conform with my views as to the species of *Equitantia* from the West Indies.

What is *Habenaria aviculata* Schltr? *H. dip-leura* and *H. quinquefila* Schltr and *H. spithamea* are still missing from the list of tracings.

When you write again let me know what the conditions are in Berlin for American travellers. I am planning to spend about two weeks at Kew. Then I may devote a week to Paris. This would bring me to Berlin at about the end of July.

Yours sincerely,

LIST OF WILSON CHINA ORCHIDS??

*Charles D. C. Oliver*

Dr. Rudolf Schlechter  
Berlin-Schöneberg  
Neue Culmstr. 5a.

10. May 1922.

My dear Prof. Auer!

I have received your two letters from March 22. and April 14<sup>th</sup> and am delighted to hear, that you were well satisfied with the work, that I did in Vienna for you. Most probably you will be surprised that I have not written oftener of late. First of all a letter, that I had written in March through negligence of a servant-girl was not posted and is only now enclosed. Besides, what I feared, the overwork and the misfortune with my feet in Vienna has given me such a stroke, that I was broken down with my nerves and could do hardly more, than to keep up my work in the Museum. However now there seems a change and I nearly feel myself the old-one again.

With the greatest pleasure I accept the news, that you are going to come to Europe and to visit Berlin too, to talk over the questions about our enterprise. I will be however away from Berlin during July and perhaps the first week of August to have my recreation at the seaside, which I very badly



need, to be able to get quite in order again.

The tracings of Reichenbachian types are copies of his own drawings and as far as possible sketches of his material, that very often is extremely scanty. All that are missing yet are not yet to be found in his herbarium. I have taken the greatest pains to find them, but sometimes without success, as the Reichenbachian herbarium in Vienna is by no means yet properly arranged. To do this it requires a specialist, and such a one they have not yet in Vienna. My own types were traced and drawn under my own supervision, very many more are going to follow. In fact now I have got already over 40 more for you made and I hope that we will soon be able to complete the list of your desiderata.

I have to send you yet a number of off-prints of mine and will despatch them perhaps tomorrow.

Krivinkins Incisiliunc make a mess of the genus not only in regard to the species, but as to the genus too.

The Glaberrimo, you are missing yet, I am getting drawn now. There several of the Pleurothallidene yet missing too, but most of them are now drawn already others are going to follow yet. I will come stay,

when I think, that your wishes are more or less full  
filled, put before you the question, what species are missing  
yet in your herbarium and then you can give me  
a new list. In the way I have to work about the Orchids  
of the whole world and the many cultivated specimens  
besides, it might well happen, that I miss one or the  
other species. Besides it always takes a considerable  
time to look all the wanted specimens out and  
besides to treat with the draughtsmen, that they  
are not sending their prices too high. Didn't you think,  
that such tracings as you have got them from my  
types are much superior to photos? The analyses  
are all strictly copied from my own drawings,  
of which I have now about 1000 in my herbarium.

Of Tonolow's Eastern River Orchids I have unfortunately  
no list here. I had sent the specimens back to Bruxelles,  
from where I had received the first lot and from where  
later on they were reclaimed by Pittier, as far as there  
were no duplicates left for me. Of the photos you sent  
N<sup>o</sup> 12492 is Epid. polychlamys Schltr., N<sup>o</sup> 17622 is  
Epid. exasperatum R. f., N<sup>o</sup> 13083 might be Cyclopogon  
multiflorus Schltr., but I don't remember having  
seen this plant from elsewhere as Sadananda. N<sup>o</sup> 17616  
is Hexasomia micrantha Coll. Of the Helio sp. S. hymenanthus



*Teltr.* and *T. microchila* *Teltr.* are correctly determined.  
*T. communis* *Teltr.* is not right. This I will have to  
compare yet. I think I have sent you now nearly  
by a complete set of tracings of my *Stelis* spec.,  
the few that are yet wanting are soon going to follow.

Of the Foster Rice and San Pedro Archels I have  
not already quite a lot of fine specimens aside  
for you only my dejected state of health has preven-  
ted me to send them off already. Perhaps you are  
going to take them with you, when you are coming  
here and return home.

The conditions for American travellers in Ger-  
many are as favourable as possible. In arrange-  
ment, if you can to come <sup>to Berlin</sup> ~~about~~ in the begin-  
ning or middle of August, that I am sure to  
meet you. But about this we can correspond  
yet, when you have arrived in England.

With best wishes and compliments

Yours very sincerely -

R. Tscholcher.

Dr. Rudolf Schlechter  
Berlin-Schöneberg  
Keno Culmstr. 5a.

9. Juli 1922.

My dear Prof. Ames!

By this I expect, that you have arrived already in England and therefore I address this letter to you by way of Kew. I was hoping to hear from you yet before your start, but I can imagine that you had so much work yet before you went away.

In the mean time I have got here again some thing like 200 copies of my types ready for you and I have refrained from sending them, because I thought, that they won't reach you before you leave.

Be welcome in Europe! and especially in Germany, when you will find the time for it. I am sure that you will find here a lot of interesting material. I think actually, that for Orchidology Germany now can't be over-



looked.

Now as to our own meeting and agreements I wish to ask you to let me tell, when you are going to arrive here. As I have told you already in my last letter, I badly need a rest and therefore I am going to start in two days from Berlin for my leave. Do write to me from time to time how where you are going to stay and when we can meet.

As circumstances are at present here in Germany, I would be glad, if this meeting could take place after the 1. August, when I return from my "Urlaub". You can always reach me by letter addressed to my old address or else by the following:

Dr. R. Schlechter,  
p. Abr. R. Fleck

Ostseebad Dievenow (Insel Usedom)

Hauptstr. 49.

Do write to me soon, that I can make my further plans about everything. The *Pinnin-Oschids* from Mr. Powell are nearly all determined and partly in course of publication.

That will be just very sincerely  
R. Schlechter.

Dr. Rudolf Schlechter  
Berlin-Schöneberg  
Neue Culmstr. 5a.

Koscow, 19. July 1922.

My dear Prof. Ames!

I expect by now you will have arrived at New York and therefore I take the chance to send you this note with a welcome-greeting in Europe. I was expecting a letter yet from you before you started, but I hope we will be able to exchange our different opinions face to face now in a few weeks, when you will come over to Germany.

To fully restore my health I am staying here at the seaside and will be back in Berlin about the 3<sup>rd</sup> of August. Please let me know before, when you expect to arrive in Berlin. I will have several things to hand you over there, for instance some off-prints and about 100 more copies of types of my herbarium.

As soon as we will have had a chance to



talk all things properly over, I am sure  
that there will be no more difficulty in  
the way to begin with the "Folia". I have  
another publication in view yet, about  
which we might talk at the same time.

In the hope, to have soon the pleasure  
to meet you.

With our best compliments

Yours very truly

R. Schlechter.

Address until about July:

Koserow auf Usedom (Pommern)

Hauptstr. 49.

Dr. Rudolf Schlechter  
Berlin-Schöneberg  
Neue Culmstr. 5a.

Kosow, 24. July 1922.

My dear Prof. Ames!

Evidently our letters have crossed each other. I had written to you a second time, because I was afraid, that my first letter did not reach you.

Many thanks for your lines. I will enjoy it, to meet you and to have a proper speaking out with you about all sorts of matters. If you could drop me a line before you arrive in Berlin I would be glad. In the second week of August I will expect you. When you arrive you can meet me (by telephone too) in the forenoon until about 1 o'clock in the Botanical Museum in Berlin, in the afternoon you will generally find me at home. If you wish I could meet you too at the place where you are going to stay.



I am very busy here now, drawing out  
ornamental drawings of Orchids, of which  
I always take a big heap with me to  
Mexico, when I go on my yearly holidays.

With the best of my wishes

Yours very sincerely

R. Schlechter.

25. July 1922.

My dear Prof. Sues! If you should happen to come once more to New, would you be kind enough to get me a tracing of the plant and analysis of the type-specimens of Cladonia parviflora and C. occidua, both in Herb. Lindley. It seems, that under these two species different plants have been mixed up. If you could get a flower of each of them for me, I would be very thankful. Yours sincerely  
R. Schlechter.

July 26<sup>th</sup> 1922.

My dear Prof. Sues! Most thanks for your letter of the 23. inst. The Spidendra mentioned are already copied and I will give you the copies in Berlin. I got or will get ready for you.

If this card should reach you in time, could you get me a note or tracing of the habit and analysis of Radsbyella Rolfe. I expect the plant will be in New. ~~For~~ Rolfe once wanted to show me the specimen, but ~~then~~ he said, that he could not find it. You will find much more difficulty to locate the wanted specimens in the larger



Abfender:

Postkarte

Dr. Rudolf Schlochter  
Berlin-Schöneberg  
Neue Culmstr. 5a.



*Prof. Parker Ames*  
*21. 11. 22*

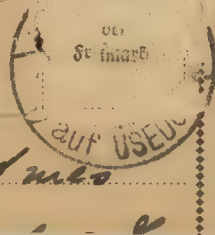
Hotel Metropole,  
Northumberland Avenue,  
W.C.

C 154 (6. 20)

Abfender:

Dr. Rudolf Schlochter  
Berlin-Schöneberg  
Neue Culmstr. 5a.

Postkarte



*Prof. Parker Ames*  
*21. 11. 22*

Hotel Metropole,  
Northumberland Avenue,  
W.C.

C 154 (n. 20)

*What a night of the police is  
glenn in Vienna  
than in New. In fine  
out these dendrobium  
-type, that you want  
let copied I had to  
spare more than 2 days  
in Vienna. In the glen  
and expectation to miss  
your soon  
yours very sincerely  
R. Schlochter*

Dr. Rudolf Schlechter  
Berlin-Schöneberg  
Neue Galmstr. 5a.

Dem 18. August 1922

My dear Prof. Ames!

I am in receipt of your two letters of August the 7<sup>th</sup> and the 12<sup>th</sup>. The reason, that I have not written before is simply this, that I was not sure how long you are going to stay in Paris. Now after I have heard that you have started for Vienna I want to tell you, that to my great distress it is impossible for me at present to come over there to meet you.

The times in Germany have changed a good deal to our misfortune and often one is simply compelled to spend lot of work to come up for the financial needs of one's family. As you know yourself, I have spent already quite a lot of my private time for all sorts of work for you and will certainly continue such work. You write to me about difficulties coming to Germany. I am very much astonished about it, because of late only Prof. Trelease was shortly here, as well as Mrs. Chan, some months ago. I am quite sure, that after all you can easily make it possible to come here, whereas my visits to Vienna on your costs would mean a lot of money and trouble.

As to the things, that you wish me to send, I will forward them at the shortest time as soon, as I have heard, that you have come to Vienna, but I still hope I will be able to give them over to you personally here in Berlin.

You will find such heaps of work here in my own and in the Berlin Herbarium, that it will very well repay your visits. Most probably you will say later on to yourself that it would have



been better to reserve more time for Berlin than for Paris. About  
the money matters I hope to speak personally with you or else we  
are going to leave it over to another letter.

With the best of compliments

R. Schlechter.



NORTH EASTON, MASS.

October 7., 1922.

My dear Dr. Schlechter:

We reached home on September 15th, and ever since then I have been pulled first one way and then another by the numerous duties that await one who has taken a vacation. Now I am about ready to take up orchids again and to carry out some of the many plans that have been maturing in my mind. Let me hear from you often.

The family moves to Boston next week. My address for the winter will be the same as it was last year.

I am delighted to know that the tobacco pouches were acceptable and just that you wished from London. The one that closed with a patent arrangement I sent to you because I had mentioned it when we discussed tobacco pouches in Berlin.

I secured the Zeiss pocket lens from the New York agency.

Write to me soon about your success in collecting the money from the bad manufacturers.

I want to study Central American species of *Stelis* this winter. It would be a great help if your material warrants sending as a few flowers of the following species. I give that by the numbers in your list. 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. *Stelis crescenticollis* 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. Just a flower or two of each where there is enough material to allow such separation.

Mrs. Fass joins in sending to you, Mrs. Schlechter and the children the best of good wishes. We think often of the delightful afternoons spent in your

Edith Fass.



Received October 21, 1922.

8. Okt. 1922.

My dear Dr. Ames:

Not to let you wait any longer I am going to despatch what I have got ready of the tracings. The lady, who always was doing them, has changed her lodgement and that's for they come later than I wished. I hope she will be able to continue work a more quickly. I have tried to engage somebody else, to make quicker progress, but unfortunately without success. They are too expensive with their wishes. One asked not less than 500 marks for each drawing. So I gave it up. I think 1000. for each at present is quite enough.

I am very busy since you left and have made good progress with my work. Soon I hope to send you the first copy of the *Prohibitorum Powellianae Panamensis*.  
I have just finished a manuscript for

on Brazilian Orchids.

Please do not forget to send me the last part of your Orchidaceae (vol. VIII) and of your publication, in which you described some *Tournefortia*-Orchids (the Glabeuaria, which you suppose to be my H. novae).

The *Blumen-Garten*-Orchids I have just finished. There are not less than 3 new Leptanthus species amongst them. Now I will start with some Colombian things and then the large Costa Rica-collection will be finished.

I very much hope to hear soon again from you, but I expect after your return home you will have had a very busy time, so I will wait with patience.

With our best wishes and compliments

Yours very truly  
R. Schlechter



Three hundred and fifty-five  
Commonwealth Avenue

November 25, 1922

My dear Mr. Schlechter:

Here are a few lines to let you know that I am still above ground. The reason for my long silence is found in the very busy life I have been leading this winter since I came from North Easton to winter quarters. A few days ago I sent you a little pamphlet that may interest you. This is about all I have found time for.

Did I understand you to say that Kränzlin had published his monographs of *Masdevallia* and *diakasa*? I ask this question because my agents have not yet forwarded copies.

Recently I have been looking through my catalogue to plan out a system. Just at present printing costs are very high. But there are indications that prices will become easier. It cost over \$100.00 to get out 200 copies of the pamphlet I sent you. I got it out myself because our scientific papers are over-crowded and having a hard time to meet costs. I may continue the Schnecken, that is why I numbered it. But with the uncertainties of dividends one feels hesitation about assuming obligations.

You will be surprised to learn that we have not yet started our furnace fire. The coal strike causes such uncertainties as to supplies, that we have been living by open fires ever since the cold weather set in. So, you see, you Germans are not the only ones who are in danger of frost bitten feet.

Fortunately for us the weather has been normal with plenty of sunshine. Only recently has the thermometer registered freezing during the day. My herbarium is partly cold in the early morning, but the open fire is always there to back up to. I wonder if you get that habit. Sometimes in summer time one instinctively stands with one's back to a fire place.

Mr. Powell sent me some flowers in alcohol of Selenicium clusia Reutib. f. This is very close to S. palmifolium Reutib. f. Undoubtedly the plate in Xenia was prepared from expanding buds. The mature flowers fall very easily if pollination has not resulted in fertilization. Fruits flowers and buds are present simultaneously. Mrs. Ames has made a delightful drawing of the species. It grows, as originally reported about 10 feet in height. As we say in American slang "Some orchid!"

I have not yet found an opportunity to examine my Bolivian orchids. In fact time is of such a nature in my life that I wonder why Einstein bothered with it. I suppose you have the feeling that time was longer when you were a boy. So much for relativity. As to the discarded laws of gravity, I find that my curves all lead away from orchids. That is, unimportant things like business meetings are the centres on which my curves of motion impinge.

Please pass on our good wishes. It is not too much to say that every day your name is before me.

Yours sincerely  
Oakes Ames

P.S. Has the young orchid man learned English and Spanish yet? The time will soon arrive when an expedition will be planned. We might send him for the first trip to Central America with a U.S. Natl. Herbarium party. One will go next winter.



25. Nov. 1922.

My dear Prof. Ames!

I have postponed daily my writing to you,  
because every moment I was expecting a  
letter from you. However since more than  
a month there were no further news,  
I hope you have got the tracings, which  
I have sent in September or not my three  
letters.

The money from Wethering <sup>for the leather-bag</sup> was sent to  
us about 10 days after you left, this  
I had written to you at once and thanked  
you and Mrs. Ames for it. Somehow it seems  
that you have not received this letter and  
therefor I sincerely repeat my thanks. As  
Mrs. Ames wished it, this money was put  
into the childrens' fund and they were  
delighted for the good things they got  
for it.

The material of Itelis, I will look up  
for you one of these days and send you  
whatever I can. I expect I will be able  
to send you material of most of them.

The Panorama - Orchids from Mr. Powell are all described and a large manuscript is going to the printers. There were several changes in the naming needed yet. But I am publishing a complete numerical list of all numbers at the end of the manuscript, this will make it easy for you. The Rock hopper, which I formerly supposed to be L. mi- norilis is L. Persepolis. I have given a new description of it. In my manuscript of Mr. Powell's Orchids I have enumerated all species, that he collected, with some critical notes on them.

Since you have gone I have finished nearly 900 analytical drawings and the greater part of the interesting Costa-Rican things is determined and drawn already. But I got now a new Costa-Rica - collection containing again 289 different species and an immense heap of novelties amongst them. What a pity, that you are not here and enjoy the looking through of them. There are again most remarkable types.



Dr. Rudolf Schlechter  
Berlin-Schöneberg  
Neue Culmstr. 5a.

Resolves I got again a collection from  
Munro (I think), another from Tobin,  
~~and~~ one from MacDougal and lots of  
South-American things. I expect from Costa Rica  
I will have to describe again about 20 Helio  
and the double amount of Pleurothallis, be-  
sides some new ones, Epistemon.

I am impatiently awaiting your last work  
of the "Orchidaceae", which I have not yet  
received and the offprint, in which you  
have described the Habenaria, which you think  
to be identical with H. arida.

What about our "Catalogue of Orchids" and  
what about the "Tobin"? I am very anxious to  
start.

I am now finishing up my monograph of  
the Orchids of Europe and hope to be altogether  
ready with it at the end of the year, then I will  
publish the big Costa Rica lot which, I think,  
will give a pretty big volume, because I want  
to cite all the numbers of the different  
new collections.

Have you heard that Mr. Foulke has died.

I have now here again 50 tracings of types of mine for you. But the funds are exhausted and it would be good if you could furnish me with new funds, that I may continue the work of getting tracings made for you.

By the way, from Foster Rien I got 3 very remarkable new genera, perhaps even fresh and a very fine new Tryptocentrum and Tregon.

I will write again in a few days perhaps and send you the Helio-material. As soon as I get a little leisure I will continue the distribution of my New-Gaduaen - Orchids and then at the same time send you some more Central-American things.

Now I hope some news will come from you again.

With the best of good wishes to you and Mrs. Ames, in which Mrs. Schlechter is heartily joining me  
Yours very truly

R. Schlechter.



Ⓐ

355 Commonwealth Avenue, Boston, Mass. Dec. 14, 1922.

My dear Dr. Schlechter: Your letter of November 25th, arrived yesterday. It would seem that the postal mechanism has been working badly, because I have not received a letter from you since the 8th. October, and as I have written more frequently than your letter of the 25th, indicates. From you I received a very welcome and much prized remembrance of my birthday. For this I wrote my best thanks. I also wrote to you that the present time seems very unpropitious for any heavy undertaking in the way of printing. And a few days ago I mailed to you a little pamphlet which I had privately printed because our magazines are very much hampered by the printing conditions in this country and by a falling off of subscriptions with increases in the cost to subscribers. My last letter to you was written on the same day that your last one was written. In that letter I referred to the catalogue and informed you that I had looked at my records with a view to getting them in shape at the earliest possible time. I have instructed my assistant to forward to you the papers you have asked for. This time I hope they will reach you.

I am delighted to learn that Mrs. Ames's gift to

Ⓐ

the children proved welcome and that you were able to secure it.

To-morrow I will go to the bank and arrange for another draft to be sent to you. It would be a shame to put an end to the drawings. Please keep up this good work for me and send anything of your Central American species that is critical or new. You may rest assured that the funds to re-imburse you will be forthcoming.

Have I all of your recent papers? I am just as anxious to receive them as ever I was and I hope you will not omit sending them because of pressure of other work.

Some good collections are coming in now and I will not forget you. As a beginning I intend to send to you next week a set of Philippine orchids that has been ready for some time. This set contains some types and one of the best sets of the Mountain Province Collection.

Please remember me to Mrs. Schlechter. Mrs. Ames joins in all good wishes to you both for the Christmas Season.

Yours very sincerely,

Oakes Ames.



CERTIFICATE OF ISSUE

(TO BE RETAINED BY THE PURCHASER)

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355 Commonwealth Avenue, Boston, Mass.

December 30th, 1922.

My dear Dr. Schlechter:

I am enclosing a draft on Berlin for one hundred and forty-two thousand eight hundred and fifty-seven marks. Please use this amount to have tracings made of your Costa Rican novelties that turn up as you work through new material. When this money seems to be drawing to an end, let me hear from you and additional funds will be promptly supplied.

This has been a busy week as the American Association for the Advancement of Science has been holding the annual meeting here.

A package of reprints was sent to you a day or two ago. This should reach your address by the time you receive this. If the package fails to get to you, let me hear from you.

On February first I expect to visit Honduras. The United Fruit Company is leveling some forty thousand acres of virgin forest and the prospects for interesting collections are exceptional. I have succeeded in interesting the fruit company in the need for preserving orchids and I have promises of intensive co-operation. In fact I have reason to believe that we are about to get results from a very poorly known region.

The specimen of *Taeniophyllum* arrived day before yesterday. This was much appreciated because of the kindly wishes that accompanied it and because it came at a time when remembrance means so much. You are mistaken about the distribution of this "Jewell", because you have already supplied me with excellent specimens. Please accept my best thanks for your thoughtfulness and convey to Mrs. Schlechter the best wishes of Mrs. Ames and myself.

Tracing of Epidendrum papyrifera Schltr. is



sadly needed here. Please remember this when you get out material for the artist to trace.

I am delighted to learn from you that the Powell orchids are soon to be published. I have waited impatiently for this work as I must have it for my Central American Flora.

Tracings of your new Epidendrums from Colombia are much needed.

I am delighted to learn that you can help me with the flowers of your new Stelis species from Central America. Please get these to me soon. That is, before my enthusiasm dies down. It is always so delightful to have the needed material at the time when one's interest is at concert pitch. After the first flush of enthusiasm the receipt of critical things never seems to mean so much. Just a few flowers will answer my needs as I already have the habit drawings.

I wish national affairs could become more stable. It would be delightful to think that a trip to Berlin would simply be a matter of time. I have so many things I want to tell you about and so many problems for the solution of which your aid would be welcome.

Remember me to Mrs. Dr. Schlechter, and for yourself accept the best wishes in the world for the New Year.

Yours sincerely,

*Curt J. Smith*

355 Commonwealth Avenue, Boston, Mass., U.S.A.

December 31st, 1922.

My dear Dr. Schlechter: I am not going to allow the old year to pass without writing to give you my best wishes for the New Year. The year 1922 must go down in my records as the time of our first meeting. It must also mark the time of a most pleasant visit to your home in Berlin. Mrs. Ames joins me in sending to you, Mrs. Schlechter and your children, the best of good wishes. Tell the children that I have carried home a very clear picture of the wonderful managerie that adorns their balcony and that I hope someday to have the pleasure of inspecting again their biological treasures. We have not forgotten Mrs. Schlechter's wonderful tea. The talisman is one of our best possessions. I think it must have been the talisman that saved my camera.

Yesterday I sent you by registered mail a draft on Berlin for a large number of marks. This should bring to me several hundred tracings of your Central and South American types. The Costa Rican species are, of course, the ones that interest me just at present, although Colombian species are always welcome.

The trip to Honduras is practically decided on. The Vice President of the United Fruit Company dines with me on January second to make arrangements for the expedition. While in Honduras we are to have the use of launches and other means of conveyance and every facility for drying plants. If the orchids are there, we ought to get them. You may be sure that in every case I will collect a duplicate for you. Anything from Honduras ought to be acceptable. It would seem that the United Fruit co. is interested in my hobby, and that even when I am not in the field the timekeepers and managers are to prepare specimens for me. Of course, all such prospects are rosy at first. But this time I really expect to get results of a most important kind. First we go to Yucatan



to inspect some Maya ruins. I hardly expect to find much there in the way of orchids, although it is planned to enter some of the regions where there is a heavy rainfall.

Send me a sample of your idea of an orchid catalogue. That is, set up a genus and two or three species so that I can ascertain if our ideas coincide. I do not imagine that this would be a difficult thing to bring out if we followed an alphabetical arrangement. It seems to me, off-hand, that a natural arrangement would be open to extreme difficulty. I do not remember that we really reached a decision as to this.

Send me a copy of the Powell orchids. Even the proof sheets would be of value to me, if the day of publication is to be delayed for any reason.

If I sit up much longer I will have to double-date this letter. The New Year is creeping in. Just one hour from now the bells of the city will begin to ring.

Dont forget the Stelis flowers. These are very much wanted.

Prosit!

Yours sincerely,

Walter Oakes

355 Commonwealth Avenue, Boston, Mass.

My dear Dr. Schlechter:

Your letter of November 25th, is the last one from you that I have received. I am looking for news from you every day.

By this time you must have in hand my letters dated December 30th, and December 31st.

On Wednesday of next week Mrs. Ames and I leave here for Yucatan, Colon, Port Limon and Tela. At Tela we expect to begin our collections of Honduran orchids. Then we may go into Guatemala for a short trip. I am not sure as to the date of our return. That will depend somewhat on the success that attends our efforts in Honduras.

I have a new paper coming out which will be of interest to you. I will send a copy when my supply comes in.

Please send me tracings of your new Costa Rican genera. Anything you have ready will be most acceptable for examination on my return home in the spring.

We are wondering how the extraordinary conditions now prevalent in Europe are affecting your outlook and your work. It must be very trying for you both to have the political horizon constantly clouded. We get very unsatisfactory news through the papers and find our thoughts in a turmoil.

Give my kind regards to Mrs. Schlechter. My wife joins me in sending to you both and to the children our best wishes.

Yours sincerely,



5<sup>th</sup> Jan. 1923.

My dear Mr. Ames!

Your letter dated Dec. 18. reached me on Dec. 28. I at first intended to write at once, but since you wrote, that you wanted to go next day to the Bank, to get some new funds sent, and that the pamphlets I asked for are going to be forwarded, I thought better to wait and to acknowledge their receipt at once. However until now, more than a week later, nothing has arrived. If you have actually forwarded the draft before Dec. 24<sup>th</sup> then I think it must have got lost and it would then be best to enquire about its whereabouts.

By your letter I see plainly, that some of my letters have not reached you and surely some of yours have not reached me. It is always safer to send letters of importance registered. However I hope that about the draft everything is all right yet; perhaps you have had no time to send it.

I am now preparing the sketches that are ready, to be sent to you before the 15<sup>th</sup>,

because then a simple foreign-letter would  
cost here 160 Marks. The last of them I have  
to pay from own funds, because the others are  
exhausted and the lady, who is doing them  
has raised her prices very much. Yet, she is  
cheaper than any body else.

Of late I have been working day and night  
on my monograph of the European Orchids.  
It is nearly finished and I can now take  
a little blow. The *Foruman* Orchids have  
appeared, but I have not yet got my copies.  
As soon as I get them, I am going to send  
one to you. All the Costa Rica - Orchids are  
drawn too. The amount of novelties is simply  
surprising. I will have to get you heaps of  
things made again. I am almost ashamed,  
that I have not yet sent you the Helio-ma-  
terial, you asked for, but I will surely ~~send~~ get  
it out during the next days. Wherever possible  
I will send a full twig or a plant. I am  
afraid I will have to double the number  
of Helio with my new material. There  
is some yet in the worst and every project  
brings more novelties.

Until now I have not yet got your  
Vol. VII of Orchidaceae. I do not even



know, what it contains, except what I have read in the Orchid-Review in August (I think) and what you told me.

Very anxious I am to hear from you about the furthering of our plans respecting the "Prospectus Orchidacearum" and about the "Folia". If we do not start in time, we will be getting too old, to finish them. If we <sup>(take)</sup> are working hard, the "Folia" alone will <sup>(some)</sup> thing like 20 years.

I have got everything ready to write and a monograph of the Sciaanthus. Shall I make it ready and send it to you for the "Folia" with the analytical drawings of the species?

To-day I got fresh material sent to me of: Dendrob. amethysteum, Gleisostoma chrysanthum Krügel (typ.), "Gleisostoma spicatum" (leg. Lohr), and some others, all determined by Krügel and most probably all wrong. For instance there is Dendrobium Lobbium (determined as D. latifolium) your Sciaanthus micranthus (determined as S. dentatus) etc. etc.

I am enclosing for you an inflorescence of

the type-plant of Dendrochilum saccolobium  
Kraenzl., of which I sent you once all ready or copy  
of my analytical drawing 2 years ago. I think  
it is a new <sup>genus</sup> ~~species~~. If you agree with me, we  
might publish it together in your Orchidaceae  
as Merloheria saccolobium (Kraenzl.) Ames & Schell.  
It surely is a very remarkable plant.

Have you got my little Treniochilum  
as a Christmas gift?

Please write now soon. I hope, that we  
are going to exchange letters now or again more  
frequently. Our correspondence of late was  
evidently not, what it ought to be, to pro-  
mote the interests of scientific Orchidology.  
Write to me, how it is about the  
draft, that I might enquire here, if any-  
body has perhaps called for it. Generally  
speaking, I think, it is better, if you should  
send my money in U.S. notes in a registered  
letter. They would travel surely and besides  
at the present fluctuation of our value it is  
more in your interest, because by the time they  
arrive here most probably they will have  
risen in <sup>value</sup> ~~price~~ already again.

With best wishes

Yours very sincerely  
R. Schlechter



4. Febr. 1928.

My dear Prof. Sures!

Many thanks for your last two letters  
and the money, which arrived in due  
time. It will be used in the way you  
wished for. In the mean time I have sent  
you already another lot of 50 tracing,  
which I hope will arrive safely. Perhaps  
you could send back to me always the  
fin-roll, because such things ~~you~~ one can't  
get here now excepting by paying immense-  
ly for them. If you should be able to en-  
close <sup>in the tin</sup> some tubers or roots of *American-Or-*  
*chids* for cultivation here in the Botanic-  
Gardens they would be very welcome.

I am now preparing the specimens of the  
*Helis* for you. I was so very busy with my  
"monograph of the *Orchids* of Europe," that  
I always had to postpone it ~~it~~ <sup>it</sup> till now.  
They are pressing me so much to get this  
work finished, that I had to leave all other  
things more or less aside.

With this letter I am despatching for a  
copy of my work on the Panama - Orchids.  
What a pity, that your younglets and the  
last part of your "Orchidaceae" came so  
late, I could then have revised a few  
new names, which seem identical with  
some of your novelties. However, I think,  
they are only 2-3.

By now you will most probably be on  
the road to Honduras and I sincerely hope,  
that you will have a great success. See  
if you can't find there the Cochisea ~~gutta~~  
guttatissima. I expected allways, that it would  
grow there.

I will now start with my big work on the  
Costa Rica - Orchids and as I progress take some  
stipulates out for you too. In spring I am  
going to start with a new classification of  
New-Guinea - Orchids, now the rooms are too  
cold for this work and would be too expensive.

With the very best wishes for your  
trip to Honduras  
Yours very sincerely  
R. Schlechter.



24. Febr. 1923.

My dear Mr. Ames:

A few days ago I have sent off the sample-  
bits of the Helio-species, that you wished to  
get. I hope they have arrived well. I have been  
extremely busy of late with my monograph  
of the Orchids of Europe, otherwise I would have  
sent off the Helio-material much earlier. This  
monograph is finished now and has gone off  
already. I am daily expecting offprints of my  
new publication on New-Guinea-Orchids, but  
they have not arrived yet. I hope you have got  
the Orchidaceae <sup>(which I sent off to you at the end of January.)</sup> Tovelliana. From your check  
it seems, that Mr. Powell is now sending his  
Orchids to you. <sup>(and to move to me)</sup> This I certainly have not deser-  
ved from him. If I would not have stopped  
in, his Orchids would all be lying yet un-  
arranged. I don't know, what powers have in-  
fluenced him to make these new arrangements.  
Your publications of so many new Ortho-  
co-Orchids give me much difficulty now. You  
have got copies of all my types and I have  
none of yours. With the Helio-species this is

a rather difficult situation now for me, after  
I have sent you these copies of all my novelties.  
With the draughtsmen I have got great diffi-  
culties now. They want to have 1000-1500 lbs  
for engraving now. I have sent you 50 all  
ready a few weeks ago and will soon get  
some more again (I expect this week about  
40 more) and then I will see how I get on for  
that. The workmen get here now 900-1500<sup>2</sup>  
lbs on hour, and the draughtsmen naturally  
say, that they can't work for less.

What about our "Catalogue of Orchids"? We are  
going to lose too much time!!! I will un-  
der all circumstances start with the printing  
this year. The arrangement should be the na-  
tural sequence of the genera and in alpha-  
betical one to the species. For each species I am  
going to add the synonyms and at the end  
the native country. What do you think about  
this? Tell me at once if you will join me in  
it, because we really cannot afford to lose  
more time now. I am sorry that with the  
"Felix" we have lost already three years  
and am not sure, if I am not going to



begin with them soon.

Most probably it will interest you to hear that soon my Atlas to the Orchids of German New Guinea is going to start its appearance. In it I want to publish all my unpublished drawings of all these Orchids. I think it will be a good help to Orchidology, if I am able to carry it through to the end.

Don't you send me some specimens of some of your newly described Foster Rich-Orchids? I am very anxious for material of your Telipogon Lankesteri and Conithrochilus Lankesteri.

How have you been getting on in Yadenha? I hope you have returned with a rich harvest of good things. Don't forget me in the distribution, I am sure, that I can send you many good things in return.

As soon as it is getting warm again I will continue the distribution of my New Guinea-Orchids. I wished to do it during winter on dark days, but the coals are so expensive, so that one can only afford to heat a single room,

where we will work together at home. Times  
have changed here very much since you  
have left Berlin. Everything has risen more  
than about a hundredfold in price. If you  
would hear of the summes one has to pay  
for every little bit, you would be surprised.  
Fancy only, for instance a writing-pen costs  
about one hundred marks, a common sheet of  
writing paper 120-150 marks; getting boots &  
gaiters (soles and heels) 20000 marks. etc. Such  
samples explain openly, why foreigners are  
starting to leave Berlin more and more.

I hope this letter is going to reach you  
in good health and fully satisfied with  
the results of your Gwentan-Expedition. Do  
write at once about the "Catalogue" because  
I cannot afford to put it longer off again.

With the best of compliments, in which  
Mrs. Schlechter is joining too, to Mrs. Ames  
and yourself

Yours very sincerely

R. Schlechter.



355 Commonwealth Avenue,  
Boston, Mass. April 20th, 1923.

My dear Dr. Schlechter:

I returned a few days ago from Honduras to find your letters of Feb. 4th, and 24th on my table. It was good to see your handwriting again and to learn of your activities in the realm of orchid work. I have hardly had time to settle down to the numerous duties I have on hand. In fact, I am suffering from the unrest which a return from a trip away usually stimulates.

I found Honduras a bit disappointing. The country in the vicinity of Tela and Truxillo is characterized by a low rain fall. Consequently the forest presents arid conditions to epiphytes and does not encourage a rich orchid development. The species I found were mostly of the Guatemalan complex. I rarely found more than one plant in bloom so that duplicates are to be very scarce. I added about one hundred species to the known flora of Honduras. I cannot yet see my way clear to work up the collection.

My trip to Yucatan to which you refer was just a visit to the Maya ruins of Uxmal, Chichen Itza, Sayi etc. I devoted about ten days to this. I found a few orchids, but in the parts of Yucatan where the ruins are the conditions are arid. I found a few specimens of *Epidendrum xiphioides* in flower and saw a large number of plants of *Epidendrum Stamfordianum* in flower. Yucatan as you know is not an orchid country.

Many thanks for the *Stelis* flowers and the tracings. I have hardly had time to look at them!

Powell's Panama orchid paper arrived. I note that this was issued on December 30th. Is that date correct? I ask because we did not receive the issue until weeks later, to say nothing of your reprints which did not arrive until late <sup>February</sup> ~~January~~ or

early March.

You ask me for an immediate reply regarding the catalogue of orchids. As I told you I regard such a publication as a great necessity and I should like very much to co-operate with you in bringing it out. Just at present I do not know just how you plan to issue such a work, nor do I know your wishes with regard to form, etc. Furthermore I am not sure just how we could work on it with the Atlantic Ocean between us and the unsettled state of the world playing havoc with the mails. Another matter. How are we to make this catalogue a standard work if we push it as fast as you seem anxious to do. For example, I was asked to get up a list of our native orchids north of Mexico for the American Orchid Society. I thought it would take me about a week to prepare the manuscript. The nomenclatorial difficulties I encountered were so numerous and perplexing that aside from doubting my ability to overcome them I despaired of finality in less than one year. Now, you suggest a catalogue of the orchids of the world. Unless you have really given this matter deep thought I am afraid that you have no idea of the size of the task just from the nomenclatorial side. It is perfectly stupendous! If we attempted the catalogue alphabetically we might assign letters to each author and let him work out the genera and species under the specified letters. This would be much more simple than an attempt to reach a natural system. I am not throwing cold water on the proposition. I am sincere in my wish to accomplish what you have in mind. I only want you to realize that it appears to me to be a dreadful task, and that on top of all the other things we have to do to keep the orchid ball rolling. Anyway take this as a homecoming letter, full of the unrest that attends attempts to grind oneself with piles of mail, specimens and demands. To say nothing of the political situation and the uncertainties of the near future.

With all good wishes,



July 21st, 1923.

My dear Dr. Schlechter:

On April 21st, I sent you a cablegram asking what it would cost to reproduce your drawings of Costa Rican types in your proposed publication on the orchid flora of Costa Rica. Since then I have not heard a word from you. I take for granted that you have been very busy and that you have found more important things to do than to bother your head about me. In the meantime I have been overwhelmed with work on an enumeration of Philippine orchids for Prof. Merrill. I did not realize what a difficult undertaking this would prove to be. The nomenclatorial tangles to say nothing of the work on material have consumed time and energy. Just to write out the necessary data has been a stupendous task. To make the work more difficult my health has been far from good. The Honduran expedition on top of the visit to European herbaria proved a little more than enough to force a long rest in the country.

I have been expecting a letter from you in every mail. But it would seem that you have neglected to write one. Please let me have the pleasure of a few lines. I am anxious to know how you are overcoming the serious conditions that must prevail under the falling value of the mark.

I have not received any reprints of yours for months. What have you been doing?

What is the present status of the drawing account? Surely you will let me know when the funds are low or exhausted? And surely there must be some tracings ready to forward to me.

In my work on Mexican orchids I keep coming against obstacles presented by Llave & Lexarza species. Do you know where the herbarium of these authors is treasured? Does it exist. For example, the type of *Alamania* is very important. What Lindley and Richard took to be *Alamania* is surely not properly allocated. Have you ever attempted to ascertain if the Llave & Lexarza specimens are in Madrid? It may be that we must regard the unknown species of these authors as dead; things never to be known, but unless something of the history of their collections is on record somewhere, we must not attempt work that might be undone by an unexpected discovery of their herbarium. In the New York Botanical Garden Herbarium there are four of five Llave & Lexarza specimens, but none of them represents an orchid. It is the existence of these specimens that makes me believe that somewhere we may find others.

Please write soon.

Yours sincerely,

19. Aug. 1923.

My dear Mr. Ames!

You must not be cross with me, that I have been quiet for such a long time. The reason for it is simply this, that from overworking myself I had a regular break-down of nerves and had to take a recreation of several months, where the doctors did not allow me to occupy myself with any scientific work nor any correspondence concerning it. Now I am so far all right again and I hope to take up the beloved work again.

Your cable I have got shortly after my break-down and I would have answered it yet, but I expected an explaining letter. Now as to this I propose you the following. Each plate containing analytical drawings of about 4 species would cost about 1 dollar 50 cents. If you will contribute such a volume we might publish the drawings in the same way as the New Guinea Ichtho-analyses are brought out now. If this method does



not write you it would be very much costlier.  
I would of course only publish the newly  
seen of the new or otherwise specially inte-  
resting species and let them appear separa-  
tely because it would be too late for my  
publication on Forta Rica - Orchids, which  
I hope to bring out on the 30. Sept.

This publication I intended at first  
to bring out in ~~March~~<sup>April</sup> already but owing  
to my bad health I ha could not finish  
it in time.

You must have got some (about 40) co-  
pies of my novelties some months ago. The  
rest, that is finished, I send by this mail.  
They are about 120 pieces and I hope that  
they will arrive in good condition. The  
drying - fund is with this exhausted  
now, because at the present state of our  
valuta I cannot get anybody to do my  
framings for less than several thousand  
marks each. Considering that a simple ~~transport~~  
fram-car fare costs now here 150 thousand  
marks you will understand it & rely.

I can quite understand, that you  
have no end of difficulties with the

Loxoloe and Lexarxa - Orchids. For years all-  
ready I have been trying to find some body to  
collect in these parts (Michoacan), but without  
any results. I expect that perhaps some of their  
types might be found yet in some Jesuit-college  
and I have tried to interest Dr. Reiche for this  
question. We will most probably have to wait  
until some able collector is going to revisit  
the old localities and is <sup>hunting</sup> ~~following~~ up the  
Lexarxa - species.

I was not expecting much from your trip  
to Yucatan and Honduras. Perhaps it would  
have been more fruitful, if you would have  
gone to Lexarxa localities? As to Flammaria,  
I only know the plant that has been always  
taken for this species. I have been enquiring  
in Madrid for several things, but I was told  
that they would not lend out any specimens.  
They should be studied there. If I have  
any Lexarxa - Orchids or not, I cannot say.  
Most probably they don't know themselves.

My work on Costa Rica Orchids is progressing  
now quickly and, as I have written above, I hope



to bring it out at the end of September.

Here in Germany we are undergoing awful times. Everything has arrived to prices that are simply incredible. One pound of meat for instance costs about 1 million and a half marks, a pair of shoes costs 20 millions of marks. The postage nobody can pay anymore, until the 23 day. a foreign letter costs 3000 marks after this 6000 marks. From all this you can fancy yourself, what life means here now. Everything is counted by the dollar and the dollar stands to-day at 4 millions. When you ~~not~~ were here it was standing about at 1500 marks.

I am going to continue my work as far as it is possible, but one is much impeded with the sorrows of daily life.

As yet we have been fixing, but nobody knows, what is coming tomorrow, or in a week or in a month. I fear happy people outside Germany cannot imagine, how France is sweeping out the country, otherwise some more vigorous steps would be taken.

Hoping that I will continue to get better to be able to take up my regular correspondence with you again, I remain with my best wishes to you and Mrs. Ames yours sincerely  
R. Schlechter.

To the American people suffering well? Not a word to know what is happening.

September 7th, 1923.

My dear Dr. Schlechter:

It was surely delightful to receive a letter from you to-day, but disquieting to learn of your recent break-down from overwork. I had begun to fear that some extraordinary event had occurred which led to your prolonged silence. Your assurances that your health is mending and that you are now ready to resume your work are gratifying. The thing now, is to avoid another overstrain.

I am glad that you are about ready to bring out your paper on the Costa Rican flora. It was for this paper that I had hoped to be able to help you prepare a set of plates. Your suggestion that the plates would make a helpful supplement meets with my approval. But, in your letter of the nineteenth August you quote a price without telling me how many new species there will be. Please bear this matter in mind. When you write again give me some idea of the number of plates that will be necessary to illustrate the new species.

Then we can arrive at some definite arrangement for having the plates reproduced and published.

In the meantime I will replenish the "drawing fund" with the understanding that you will have the new Costa Rican orchids and any other Central American species necessary to complete your series made for me in the usual manner. I will send you a draft on New York for twenty-five dollars next week. Pending the arrival of that amount I enclose a bill for five dollars which I hope will get through the mails



without mishap. This small sum should make a beginning. I am particularly anxious to have all of your species drawn as it will be most helpful in preparing the keys for my monograph.

I have a good supply of Panama orchids for you. Perhaps you will send as an exchange some of your Costa Rican duplicates. I also have ready another set of Philippine species. It would be most acceptable to me if you will find time to send me some of your New Guinea duplicates. I have been looking for these as I believe you promised to send them at your earliest convenience. I had hoped that Lankester would send me some good things from which to select specimens for you, but as a rule his numbers are very scanty. As a matter of fact he does not seem to enjoy the task of making specimens. He rarely sends more than one fragment of a species.

My work has been slowed down by poor health. As I wrote to you in my last letter, I have, like yourself, been obliged to take life easy. I play much tennis with the children, and in that game find the hours slipping by quite rapidly. What I do this winter will depend very largely on the upbuilding of my physical condition this summer. I sometimes feel that I ought to retire from all kinds of mental work and devote all of my time to finance. The trouble is that I take systematic work very seriously and suffer much from its uncertainties.

One matter has bothered me a great deal. I refer to the necessity of getting to you copies of the drawings of my recently described species. This winter I expect to find time to make tracings of the drawings and to have photographs made of the originals. I do not see any earlier date for this important task.

I glean from your letter that the rates of postage have passed all reasonable bounds and that the future is dismal. This means, of course, that you will find it impossible to pay the high rates necessary to forward packages to me. I suggest that you allow me to reimburse you for postage and that you send specimens to me as freely as you like. It would be a calamity to suspend the advantages of an exchange.

Have you overlooked Epidendrum papyrifera and E. verrucipes in your drawings? I find that these species are missing from my herbarium. And what is the story of Epidendrum psychoseae. I have been unable to get any idea of this species, and it appears to be missing under the citation given in your C.A. enumeration.

Coelocarpus Ehlbrecheri Kraenz. appears to be conspecific with C. marmorata Reichb. f. Not with C. Merrillii Ames. Paina inaequalis Kraenzlin appears to be the same as Aseobainia Elmeri Ames. Both Poliochrysum amphipolitanum and P. triconocarpum of Kraenzlin's authorship seem to be conspecific with P. levanderi Ames. P. sylvestre Kztl. is surely the same as P. luzonense Ames. P. perfectum Kztl. may well be the same as P. stellatum Ames. P. echinophyllum Kztl. is doubtfully of Philippine origin. It seems to be African. Microstylis philippinensis Kztl. is the same as M. dentata Ames, now Malaxis dentata. I have other notes for you, but these are the only ones I remember, being away from my herbarium and note-books. You may not be interested in these findings, but the time may come when you will have use for them.



I have just about finished the enumeration of Philippine orchids for Merrill. This will be a valuable contribution if the manuscript as I have prepared it is published without alteration. The bibliographical studies necessitated many hours of patient labor, but I think the results obtained paid amply for the work involved.

Please send me your recent reprints. How about the orchids of Cuba. I have not received a copy of your paper and I know it has appeared. I believe you have everything of mine up to date.

Mrs. Ames joins me in good wishes to you, Mrs. Schlechter and the children. We must meet again some day soon. It will seem so different to meet again, because now we won't need to wear Stanhopea flowers to make recognition sure. How many times my thoughts have turned to that eventful night when Mrs. Ames and I came to Berlin from Austria. The station platform is so clear in my mind's eye. I can see you waiting for us. And then I remember how prosperous Berlin seemed after Vienna. It will be many a day before the memory of the pleasant meetings in your rooms passes from my recollection. The good tea, Mrs. Schlechter's hospitality, and the feast of orchids on the table. And then the talisman. That little gentleman is surely responsible for the ease with which Mrs. Ames and I passed the frontier.

This is a long letter. And I fear it has little worth your attention concealed within its rambling lines. But it goes to you with the best of thoughts and with wishes for your happiness in the midst of your national trials. Surely all will come right again and the present struggles will be only as a bad dream.

<sup>a</sup>  
Fithfully yours

Oskar Ames

September 11th, 1923

My dear Dr. Schlechter:

Put aside the thought that I went to Yucatan with the expectation of finding orchids. My trip to Yucatan was a pure diversion and had its origin in a desire to see the Maya ruins. Incidentally I wished to clear up several points regarding the variation of Epidendrum xipheres in its native home. I found this species very common around Sayi where I passed the night on the temple platform, but very few plants were in flower. Yucatan in the vicinity of the ruins is a dry, unpropitious country. One wonders how the Maya civilization developed so extraordinarily in such an arid region. We had to carry our water with us. As for Honduras, my hopes were high, but unfortunately Tela and Truxillo are not blessed with a heavy rainfall. I collected about one hundred species. As only eight or ten species have been reported from Honduras, I felt that my efforts were not wholly without reward. I have found that you have confused British Honduras and Spanish Honduras in the tabulation given in your enumeration of Central American orchids.

The tracings have arrived. Many thanks for your kindness in sending them to me. I have specimens of the originals as Powell has been assiduous in his efforts to make a complete set for me from the type plants in his garden at Balboa.

Have you received the five numbers of Sched. Orch? The fifth issue was sent to you early in June, but



I have no memory of any letter from you regarding it. I hope to bring out the sixth number very soon. I still lack a few plates. When these are finished the printing of the copy will begin. In the meantime I have about finished my enumeration of Philippine orchids for Merrill. This has been a time consuming job. Now that I see the end of it I feel a bit more free than I have felt since last spring. This enumeration will be a very valuable piece of work for reference, but, aside from a few attempts to straighten out bibliography, it lacks originality.

I have heaps of specimens that now await study. In fact I have never before been so overwhelmed by unidentified material. The Pennell specimens from Colombia are delightful. They fill a good sized packing case. Maxon has returned from Nicaragua, but his orchids are few in number. He does not speak flatteringly of the country!

Pringle 5830. This is Epidendrum oaxacanum Rolfe ex Ames in Proc. Biol. Soc. Wash. 17(1904)120. And where, by the way, did you pick up the bibliographical citation published in your enumeration of Central American orchids? As a matter of fact, I find the bibliographical citations in that work sadly in need of revision. Your cards are wrong, or the proof-reading was done too rapidly. Pringle 5830 is the number that you thought represented a new species, the one for which you proposed the name E. felipense. When I worked up the material I found that it was the same as E. oaxacanum, the same number as the type.

I am not sure that I shall visit Central America again this winter. The points that I had in mind to explore are to be visited by expeditions in which I am interested. In fact, Central America

will be pretty well covered in the next few years by capable and thoroughly trained botanists. At present most of the collecting is being done by residents who are characterized by the Latin American tendency to follow the course of least resistance. Their field data, by the way, are not so reliable as one would wish. I think they trust too much to afterthought when they write up the notes for their specimens. I know of one man who estimates his altitudes in a very bad way. He estimates his altitudes by guessing what the level he is at on a mountain should be by comparison with an apparently similar level on a distant mountain of known altitude. Such a procedure results in serious error. From my observations and from the stories of my colleagues it would seem that the specimens we have been getting are only such things as are snatched from the trail-sides on aimless rambles.

I am burning with the desire to see your forthcoming paper on Costa Rican orchids and I am overwhelmed with impatience while anticipating the arrival of the tracings of your Costa Rican novelties. Costa Rica is a wonderful country. I wish we could go there together some day and explore Turialba. The county round Cartago is delightful and close to localities that are in sad need of intensive exploration.

Send me some duplicates soon. I can promise you a most acceptable exchange.

Yours sincerely,



October 6, 1923.

My dear Prof. Huxley!

Your two welcome letters I have received a few days ago, and I will answer them both at once. The reason that I was so quiet for some time was my sickness and in fact now I am not yet well off, because the doctor has constantly told a sickness of the liver and I have to undergo a cure for some months. But as I am feeling otherwise well must have now nearly finished my work on the Costa Rica-Orchids. In fact, when this letter reaches you, I hope that the work has appeared already, or most of it is already printed.

The 5 Dollar note has arrived and I will use the money in the way you wish it. I changed the dollar as soon as I got it and got <sup>(about)</sup> 120 millions of marks for the dollar. I have got from you here about 60 millions by way on the

the Bank. It is not much, but considering  
slavery, that people are accustomed to  
reckon only by millions here now it is reckoned  
by very little. In fact now the Dollar has  
risen already to 500 Dollars and  
I am sorry that I have changed the  
5 Dollar-note.

As to my. Conjugation of the Central-  
American - Indians, I know that there  
are quite a number of misprintings  
in it. When it was printed I had to re-  
turn to the writer and somebody  
else was making the corrections.

As soon as I can find a little time  
for it, I will look out for your suppli-  
ces, but at present owing to my ill-  
ness I am simply overwhelmed with  
work.

I would indeed like it much to make  
with you a collecting - trip to Gusto River,  
but first my health must be fully re-  
stored.

With the best of wishes and kindest  
regards to you and Mr. Ames from Mr.  
Fehlecker and myself. Yours very sincerely  
P. Fehlecker



Octob. 27<sup>th</sup> 1723.

Dear Prof. Ames: I have got an offer here  
of one century (100 species) of Ceylon-Orchids.  
The specimens were rather scanty and only  
with the locality, "Ceylon-leg. Smith". There  
were a number of good things in. They were  
well determined. The man wants eight dollars  
for them. I cannot buy them for want of  
money. Shall I buy them for you, when  
the advised 25 Dollars have arrived?  
The latter I have not received yet. If you

~~Versandfertig zu haben~~  
Absender:

Dr. Rudolf Schlechter

Berlin-Schöneberg

Neue Culmstr. 5a.

Warte

Zum  
Kleben  
der  
Freimarken

wish to have the  
collection please  
send the money  
in a letter. It will  
travel safely I think.

Best wishes

yours truly

R. Schlechter

Prof. Charles Dries

Boston / Mass

255 Commonwealth Ave

United States of America  
C 154 (6.20)



A

355 Commonwealth Ave. Boston. Mass.  
November 7, 1922.

Dear Mr. Schleicher:

Where is my copy of your Costa Rican article paper?

Your last letter made me believe that this anxiously awaited contribution would reach me before this date. Please send it to me with any other reprints you have in hand.

I enclose ten dollars towards the drawing fund.

I dare not send a draft for twenty-five dollars when I wrote last, because the chances were that this amount would dwindle to nothing in your bank. It will be better to send small amounts from time to time than to suffer the ruinous loss caused by large amounts depreciating in value while lying idle.

The reports that reach us through the press indicate that life in Berlin must be hard. If I can help you in any way don't hesitate to tell me what I can do. If the enclosed money will help you, pray use it. And I say this with the realization that you may resent the implication. But do not do that. The times are abnormal. We must accept abnormal conditions, abnormal suggestions. It would be a cause for grief if I thought this hesitation on my part might deprive you of comfort.

Please remember to Mrs. Schleicher as to the ~~other~~ children.

Yours sincerely  
Oscar C. ...

P.S. Send me some Costa Rican duplicates - soon?



Copy

355 Commonwealth Ave. Boston

20th. November 1923.

My dear Mr. Schlechter:

Your postcard of the 29th. October reached me promptly. The Ceylonese orchids will be very acceptable.

I did not send a draft for twenty-five dollars as I understood that the banks had ceased issuing drafts. Then I sent ten dollars in a letter. Another objection to a draft was an impression I got that in cashing drafts a percentage was retained for satisfaction of tax. In this letter I enclose two dollars in bills.

Why have you overlooked Maxillaria microphylla in the collection of Hearings? I would like to have this. Also Pleurothallis huntiana.

I have been expecting your Costa Rican paper to arrive, but as yet I have seen nothing of it. Please send me your new work as it appears. If the outlandish cost of postage cuts you from sending papers and specimens, apply some of the money I send to you to that purpose.

Everything is moving smoothly here. But there is much work to be done. Recently I accepted the curatorship of the Botanical Museum of Harvard University. This position means a great burden at a time when I have more to do than I can really accomplish.

Our knowledge of the situation in Germany is formed chiefly from news-paper reports and "photonews" in the moving-picture shows. Surely you are passing through awful trials



you sent to me a single flower of Stelis cernua. When I examined it, I found the labellum missing. If you can spare it, an additional flower will be acceptable. Just at present I am having my Central American species of Pleurothallis drawn for publication. The work is nearly done and I expect to issue the plates this year.

The situation in orchidology has become <sup>so</sup> intolerable, that a rule should be made which would invalidate any new species proposed without analytical drawing. To relieve the pressure, a time limit of two years should be established within which time an author could validate his species. Descriptions are wholly inadequate for purposes of identification and the time will soon come when progress will be impossible. It does not require extraordinary imagination to picture the future when our successors will stand aghast when they attempt to interpret our proposals and at the same time strive to interpret new collections. Until the species of the genus Stelis are correctly illustrated, the descender species must remain indistinguishable.

Please remember me to Mr. Schlechter. I hope he is well and braving up under the strain of political blunders. Your letters regarding your impaired strength are alarming. You must be kind to yourself and use more precautions in your efforts to restore your system to normal condition.

Yours sincerely  
Oakes Ames.

26. Nov. 1923.

My dear Mr. Ames:

The publication of my work on  
Costa Rica - Orchids was constantly  
postponed again on account of strikes  
and other inconveniences. Now at last  
I can send it off to you, I got the  
copies yesterday night.

You will see, that it contains  
a lot of new things and some rather  
interesting ones too. Unfortunately  
I could not draw back any more some  
plants that in the mean time you  
have published; but they only a few.  
For instance the Trigonidium impressum  
under which it I fear is identical with  
your F. Lankeseri.



I am very much at work with the  
Mudagashere - Orchids now. It will  
be a publication of about the same size  
as the Costa-Rica Paper.

Many thanks for the last letter  
from Nov. 7<sup>th</sup>. I got it three days  
ago. The money arrived safely. I  
will use it in the way you wish. but  
it will be very difficult to find some-  
body to do the drawings. They are  
asking fancy-prizes for the work  
of this kind here now. If I myself  
should get into need for anything  
I will use some of the money. Many  
thanks for your permission. I will re-  
pay you by work and specimens. We  
are all struggling very badly now here.  
The salaries are not one tenth of  
the salaries before the war.

I will write soon again.

With best compliments

Yours R. Schlechter.

How many and what my cannot be speaking the German - German?

A

355 Commonwealth Avenue, Boston.  
November 30, 1923.

My dear Dr. Schlechter:

I suppose it is unkind to be impatient because I do not receive news from you. But the days follow each other, and no word comes from you either regarding your work or your publications.

Why does Dr. Fedde discriminate against me? My set of the Repertorium remains incomplete. I believe the last number reached me last autumn. At the Gray Herbarium they have more recent numbers.

Your paper on Costa Rican orchids has not yet reached me. I am most anxious to have this. Also any duplicates that you can spare at this time. I enclose a dollar bill to pay postage.

In one of your letters you referred to some Cuban novelties that you were bringing out. Please send me a reprint of your paper.

Best wishes to everybody.

Yours sincerely,



Ⓐ

355 Commonwealth Ave. Boston

Dec. 12, 1925

My dear Mr. Schlechter: Your letter of the 26 November has just come in. Your paper on Costa Rican crabs has not yet arrived, but I am looking for it in the next mail. Now, - If you will make up for me a clarifying set of drawings, fragments or amplicates of the new shells and new proposals or critical additions, I will send you one hundred dollars. If this proposition appeals to you, - begin with Pleurostoma, Epistoma and Stelis.

Christmas is coming soon. If this letter reaches you during the holidays, let it stand for the best of good wishes. I enclose a couple of new \$1.00 bills as Christmas cards.

Kind regards to Mrs Schlechter. Mrs. Ames joins me in sending her regards.

Yours sincerely  
Oskar Ames

(A)

355 Commonwealth Avenue, Boston.  
December 12, 1923.

My dear Dr. Schlechter:

I wrote a hurried note to you this afternoon in which I made a proposition that may not be quite clear to you. What I intended to convey was this: If you will have copies of the drawings of your new species made, and where possible amplify the drawings with flowers or fragments of the types, I will pay you one hundred dollars. Of course, I do not know how much work this proposition would necessitate, because I have not yet received your paper on Costa Rican orchids. But I imagine the sum offered would repay you for the effort and at this time be acceptable. It is possible that you have many duplicates of the new species, and in that case you would be able to satisfy requirements without expense. On the receipt of the drawings of *Epidendrum* and *Pleurothallis*, I would send you the full amount of the proposed sum. Think this over and send me a favorable reply.

Please send over any reprints you may have in hand. Just at present I am wondering where your paper on new Cuban orchids is. I want this very much as I am still interested in the Cuban flora and desire a complete file of your reprints on the orchids of that island.

I enclose another one of the new one dollar bills. I think you will find the design rather attractive. This new plate has only been in use a brief time. I will send you one of the new five dollar bills when I get one. There were no specimens at the bank this forenoon.

Faithfully,



(A)

Dec. 16, '23.

My dear Dr. Schlechter:

Your paper on Costa Rican orchids arrived yesterday. I have only had time to glance through the pages and to make a general survey of the extent of your labors. This is going to be a very helpful publication, if I can every assimilate its proposals and interpret them with your kindly assistance. I have two unfavorable criticisms to offer: 1. I think it was a mistake to treat the different collections under separate headings; 2. The lack of an index is really a sad one.

I am sorry that your remarks under Epidendrum ionophlebium on page 120, indicate that you regard my treatment of your E. Hoffmannii as a breach of trust. Before going to Europe in the summer of 1922, I devoted the greater part of the winter of 1921 to a critical and bibliographical study of Epidendrum, and it was at this time, not after my return from Europe, that I had arrived at the conclusions published in several numbers of Schedulae Orchidianaes. Epidendrum ionophlebium and E. Hoffmannii, were studied by myself and Hubbard in connection with a proposed joint work on Mexican Epidendrum, and lie in my herbarium as we treated them in 1921. My notes on the sheet of E. ionophlebium are as follows: "Schlechter seems to have described his E. Hoffmannii from the same material. His description fits very well the drawing of E. ionophlebium in Herb. Reichb.f.-----Ames & Hubbard." "I had no intention of violating a confidence and you will see, if you study my notes, in Sched. Orch. that they were simply written to clarify Epidendrum. I have no desire to forestall you or to use your confidences for publication. If that spirit had governed my work I could have rushed into print with Powell's new species, long before you published your paper, because I had a nearly complete set from the Kew Herbarium in my possession at a time when Powell had given me every reason to be hostile. If I had not known you and if I had not enjoyed your cooperation, I would surely have anticipated your publication, because I was under no obligation to Powell and had every reason to push forward with my work as I was preparing a flora for the U.S. National Museum. Think this over. Life is too short to spend it in..."

x is t. short to spend it in doing nice things.

Please send me duplicates where possible, of your new species. Send tracings, anyway, and get them to me as soon as you can. I have already made proposals regarding this and I hope you will consider them very favorably.

I enclose a little Christmas card for the children. It may come too late for the 25th, but it will be a remembrance to recall the day.

Yours faithfully,



355 Commonwealth Avenue, Boston, Mass.

March 18th, 1924

My dear Mrs. Schlechter:

In a letter dated 7th, March, just received from Colonel Godfery, I am sorry to learn that your good husband is seriously ill. I hope that his trouble is only temporary and that he will soon be up and about. If there is anything that I can do, please let me know.

Several months ago I wrote several letters to Dr. Schlechter. As I have not had a reply to any of them, I am afraid that Col. Godfery's letter explains the reason for your husband's silence.

Mrs. Amos joins me in sending the best of good wishes. We still bear in mind your kindness to us when we were in Berlin in the summer of 1922.

Yours sincerely,

*Edith Ames*

OAKES AMES, DIRECTOR.

BOTANIC GARDEN OF HARVARD UNIVERSITY,  
CAMBRIDGE, MASS. U.S.A.



8. April 1928.

Dear Prof. Ames:

Your letter to Mrs. Schlichter has arrived yesterday and we thank you very much for your consideration. I had already for some time the intention to write to you. My serious illness and feebleness has been preventing me from doing it before now. However I am recovering now quickly and hope to be able to take up again my regular correspondence.

It was not only the sickness, but you were the knock-out, but also the whole financial disaster, which made us lose nearly everything that one has had. Artificially with the help of the Government and the Bank the Mark was <sup>kept</sup> down to one Billion to a goldmark and then only prescriptions were taken to fix it. This of course has ruined all the people excepting speculators and one had to part with many things. It will take a long time until one is able to recover from this financial ruin.

Now I will try to answer at least some of  
your questions. I am missing my specimen of  
Maxillaria microphyton Schltr. for some time all-  
ready. I fear I must have mislaid it, but as  
soon as I come across it, I will see to get you  
a copy made.

Your proposal regarding the Costa Rican-Or-  
chids I would gladly accept, but I must ask  
you to have a little patience yet. Before I can  
get them drawn, I must finish the sketches pro-  
perly. This I will do during my vacation in  
July. It is very difficult now to get somebody  
to do make the drawings. They ask simply incre-  
dible prices for such work.

It will interest you to hear, that I have  
finished now a big paper on Madagascar-Or-  
chids and that I am writing now an Orchid-Treatise  
of Rio-Branco do Sul. Have you got my paper  
on the Colombian Orchids from Hopp and others?  
I sent it to you in February or March.

In May I will start a new distribution of New  
Guinea-Orchids. Of course I will then not forget you.

Can not Mr. Powell send me duplicates of  
his Panaman-Orchids, that he has sent you all-  
ready? I would not interfere there with your  
work by describing any novelties.

Hoping to hear soon again from you

Yours sincerely  
R. Schlechter.



9. June 1924.

My dear Dr. Ames!

I am astonished that I do not hear from you.  
On the 5. April I have written to you and ex-  
plained to you my long silence. I have told you  
that I am going to get my analytical drawings  
of the last Costa-Rican species fixed up proper-  
ly in July and that after this time they will  
be at your disposal. Perhaps you have not got  
my letter or is there another reason for your si-  
lence. Some days ago I have sent you a publi-  
cation on new Chinese Orchids. My rather compre-  
hensive publication on Madagascar Orchids is in  
the press at present and should appear about next  
month, when you will get too a publication on  
Gymnolobium and Gynerochia, two genera, that have  
been much misunderstood.

As you will have heard already there is  
going to appear a new edition of Engler's

Enrath, Iplouzenfamilien.<sup>1</sup> I have been asked to  
do the Orchids for this work and therefore I must  
ask you now to be kind enough to return to  
me the manuscript containing the key for  
the groups and the list of genera as well as  
the general part for the introduction, which  
was formerly intended for our proposed Folia  
Orchidacea.<sup>2</sup> I am afraid that you are  
not wishing any more to bring out the Folia<sup>2</sup>  
nor the List of Orchids<sup>3</sup> so I must take it  
into my own hands and try to find a  
publisher. The key for the groups and the  
list of genera I badly need for my com-  
pilation in the Iplouzenfamilien.<sup>4</sup> So I would  
be thankful to you, if you would return these  
manuscripts to me as soon as possible. If  
you should make any additional remarks, wherever  
you have found a genus missing, please let me  
have them, that I can compare them with my own  
additions, that I have collected during the last  
three years.

With the best of wishes yours very sincerely  
R. Schlechter



Dr. Rudolf Schlechter  
Berlin-Schöneberg  
Neue Culmstr. 5a.

2. Jan. 1925.

Dear Prof. Ames!

I hope the different publications of mine, that I have sent to you during the course of the last year have reached you properly. I am simply wondering from day to day more and more, what might be the reason, that I do no more get from you neither any letters nor any publications. Have you no more time for Orchidology, or what is the matter or reason, that I do no more hear from, nor get any letters answered.

Since I have overtaken the task, to do (besides some other books) the Orchids for the new edition of the "Splanzenfamilien" I would ask you to kindly send me back my manuscript that I had despatched to you as the introduction to the then intended <sup>1</sup> *Folia*, containing a general part, key of the groups and enumeration of the genera. I had asked you once all ready for this, but I have remained without an answer. You would do me a great favor if you would despatch this manuscript as soon as possible, since I need it very much.

At the same time I would ask you, to return to me the little book, which Cogniaux left to me, and in

he had entered all determinations of the different  
American collector. You will remember I lent it to  
you, when you were here, that you might get it  
copied at home and then return it to me.

My monograph of the Orchids of Europe and  
the African and Asiatic Mediterranean-Regions  
will soon start to appear. In print I have  
got besides the second part of the "Orchidaceae  
Perronianae" and an "Orchid-Flora of Rio Grande  
do Sul", besides some minor articles.

I hope this letter will reach you in the best  
of health and may give a start again to more  
regular correspondence.

Yours very sincerely

R. Schlechter.



355 Commonwealth Avenue, Boston, Mass.  
January 20th 1925.

My dear Dr. Schlechter:

I do not wonder at your suggestion that I have given up orchids and my orchidological friends. I have been very much taken up with work foreign to botany and aside from my University obligations, I have found little time for much besides business. The story is a long one, and I must not bother you with it, but to clear away any doubts you may have with regard to my attitude toward you and my many other good friends, it may be well to state briefly what has come into my life since the first of September 1924. My co-trustee in the estate created by my father, suddenly and unexpectedly, committed suicide, about the middle of September. This sad event threw on my shoulders the full burden of business that is essential to my family. I had to begin the disagreeable task of spending most of my time in the city and in offices. What free time I had, was, of course, the property of Harvard University. My own laboratory and my researches in the realm of orchids suffered a sudden termination. Only recently I have been winning opportunities on my own behalf, and within the last two weeks I have found a little time in which to pick up the threads of a much neglected fabric. Let this brief explanation put at rest any fears you may have entertained with regard to my attitude toward you,

I remember the outline of your orchid-system. I think I can locate it without much difficulty. When I discover it I shall forward it to you promptly.

I think you have all of my publications with the exception of a little volume I prepared for the American Orchid Society. This is An Enumeration of the Orchids of the United States and Canada. A copy will be sent to you in the very near future.

I think I am still in need of some of your more recent papers. Please get them to me at your earliest convenience.

May I expect some specimens from you soon? It would seem like the beginning of relationship again if we could exchange a few specimens of critical value.

Yours sincerely,

9. Febr. 1925.

My dear Prof. Stuebel!

At last again a few lines from you. Many thanks for them.

What a pity, that this misfortune with the business should have happened to you. I ~~at~~ only hope, that soon everything will be smooth and in order again, so that you can devote more time again to Orchidologie.

I have got several things in print now. For instance the second part of the "Orchidaceae Peruvianae" from Maricao that and an "Orchid-flora of Rio Grande do Sul", besides some other articles on Brazilian Orchids.

As far as I remember I have sent you all my papers, that have come out of late, excepting perhaps a few of which copies are going off with this letter. My "monograph of the Orchids of Europe and the Mediterranean regions" should start to appear during the next month or so.

As soon as I will find again a little leisure I intend to continue again with the distribution of duplicates of Orchids, but I fear, it will



be not before May.

I am anxiously awaiting the arrival of my Manuscript of my Orchid-system and the book with the Orchid-determinations of Engelm., that I lent you for getting it copied.

Have you got of late much material from abroad? Does Mr. Powell send yet many good things? Can you not send me a specimen of your new Turana-Rolfea? It would interest me very much.

Krinslin is going to publish something on Man-devallia, I wonder what it will be like. By his many wrong determination <sup>that</sup> I have seen, I fear it is going to be again a general mixture.

For your "Circumscription of the Orchids of the United States and Canada" I will <sup>be</sup> thankful. I have read about it already in the Orchid Review.

I am simply overburdened again with work. Lots of collections have come in, but little from Central-America. From Colombia I got some good specimens, but evidently not so much new amongst them.

Hoping to hear soon again from you ~~again~~

Yours sincerely

R. Schlechter.

AMES BOTANICAL LABORATORY

355 COMMONWEALTH AVE.

BOSTON, MASS.

February 14th, 1926.

My dear Mrs. Schlechter:

I can not thank you enough for the tracings of *Stelis* and *Pleurothallis*. These are a valuable addition to my herbarium and give me just the information I need to facilitate my work on the Costa Rican orchid flora. I have a long list of other species regarding which I would like to have similar information. Would it be too much to ask of you, that you have tracings of them made? Without tracings it will be difficult to ascertain the finer details which are essential for satisfactory work. Please help me if you can. I have underlined the species which are most important so that you can select the ones to do first:

<i>Habenaria loatiensis</i>	Guatemala.	<i>Costaricasea amara</i>	Costa Rica.
<i>Cyclopogon miradorensis</i>	Mexico.	<i>Stelis</i>	" "
<i>Parcloglottis purpusorum</i>	"	<i>Illiamantia bracteosa</i>	" "
<i>Physurus parviflorus</i>	"	<i>Cranichis alfredii</i>	" "
<i>Microstylis guatemalensis</i>	Guatemala	" <i>curtii</i>	" "
" <i>reichii</i>	Mexico.	<i>Pleurothallis costaricensis</i>	" "
<i>Pleurothallis cocaviana</i>	Guatemala	<i>Parastylis articulata</i>	" "
<i>Encyclia purpusii</i>	Mexico.	<i>Illiamantia</i>	" "
<i>Basiphyllaea angustifolia</i>	Cuba.	<i>Lepanthes ciliifolia</i>	" "
<i>Corallorhiza fimbriata</i>	Mexico.	<i>Cochlidium costaricensis</i>	" "
<i>Odontoglossum purpusii</i>	"	<i>Epidendrum baculiflorum</i>	" "
<i>Leicochilus ampliflorus</i>	"	<i>Leptoglossum compactum</i>	" "
<i>Hemipetalum costaricense</i>	Costa Rica.	<i>Camptoglossum convallarioides</i>	Costa Rica
<i>Miltonia stenoglossa</i>	" "	<i>Sobralia nuda</i>	" "
<i>Oncidium titania</i>	Costa Rica.	<i>Illiamantia poiformis</i>	" "
" <i>tonduzii</i>	" "	<i>Leptanthes inornata</i>	" "
<i>Ornithidium aurantiacum</i>	Costa Rica.		
<i>Notylia turrialbae</i>	Costa Rica.	<i>Maxillaria malicolum</i>	" "
<i>Fregea wercklei</i>	Costa Rica.	<i>Camaridium simile</i>	" "
<i>Habenaria amara</i>	" "	<i>Systeloglossum costaricense</i>	" "
" <i>verocunda</i>	" "	<i>Campylocentrum acutum</i>	" "
" <i>ercklei</i>	" "	<i>Lepanthes jimenezii</i>	" "
<i>Cranichis costaricensis</i>	Costa Rica.	" <i>pubilabia</i>	" "
<i>Encyclia purpusii</i>	Mexico	<i>Acrostachya costaricensis</i>	" "
<i>Maxillaria lactea</i> (with flower)		" <i>pleurothalloides</i>	" "
" <i>acutiflora</i>		<i>Pectonema tonduzii</i>	" "
" <i>albertii</i>		<i>Hexadesmia acrostachya</i>	" "
" <i>rubrilabia</i>		<i>Ramonia pulchella</i>	" "
<i>Masdevallia reflexa</i>		<i>Teliopogon gracilipes</i>	" "
<i>Epidendrum trianthum</i>		<i>Epidendrum alfredii</i>	" "
" <i>notabile</i>		" <i>pseudo-vallisii</i>	" "



AMES BOTANICAL LABORATORY

355 COMMONWEALTH AVE.

BOSTON, MASS.

*Epidendrum quinquelobum*  
 " *subviolascens*  
 " *oxyglossum*  
 " *sermiferum*  
*Liparis eustachys*  
*Cladobium costaricensis*  
*Gongora costaricensis*  
*Habenaria irazuensis*  
*Lepanthes microglossis*  
*Barbocella Bradeorum*  
*Sobralia Bradeorum*  
*Encyclia Brenesii*  
*Dichaea acroblyptura*  
 " *Amparoana*  
 " *costaricensis*  
 " *psicillantha*  
*Cynoches Amparoana*  
*Maxillaria Amparoana*  
 " *brachybulbon*  
*Camaridium Amparoana*  
 " *Wercklei*  
*Ornithidium stenophyllum*  
*Camaridium Bradeorum*  
*Dichaea Bradeorum*  
*Sobralia neglecta*  
*Microstylis Brenesii*  
*Barbocella Brenesii*  
*Mormodes stenoglossa*  
*Catasetum Brenesii*  
*Cryptocentrum gracilipes*  
 " *latifolium*  
*Trichocentrum Brenesii*  
*Oncidium Brenesii*  
 " *paleatum*  
*Habenaria gymnadencoides*  
 " *Endresiana*  
*Lepanthes acostaiei*  
*Cryptophoranthus pectinatus*

*Epidendrum Brenesii*  
 " *leprosum*  
 " *platyichilum*  
*Kefersteinia parvilabris*  
 " *Wercklei*  
 " *alba*  
*Gramichis irazuensis*  
*Dichaea Wercklei*  
*Platystele lancilabris*  
*Scaphyglottis bilobulata*  
*Encyclia Tonduziana*  
*Iconopsis costaricensis*  
*Lockhartia digleura*  
*Lepanthes abnormis*  
*Sonthoeva formosa*  
*Isachilus Amparoana*  
*Gongora Amparoana*  
*Blaeum bivalvatulum*  
*Chysis tricornata*  
*Cynoches pauciflorum*  
*Lycaste Bradeorum*  
*Pascatorea costaricensis*  
*Scelochilus aureus*  
*Campylacentrum multiflorum*  
*Ellenanthus Albertii*  
*Lepanthes apiculifera*  
 " *Brenesii*  
 " *renonensis*  
*Camaridium simile*  
 " *Brenesii*  
*Ornithidium neglectum*  
 " *renonense*  
*Dichaea Brenesii*  
 " *ovatifolium*  
 " *oxylessa*  
*Goodyera micrantha*  
 " *ovatilabia*  
 " *turkibae*  
*Sobralia Pfavii*

I hope you will feel that you can help me with this very large task. If you find that you can I shall be pleased to reimburse you for your time and labor

With the very best of good wishes, and with many thanks for what you have already done for me,

Yours sincerely,

Alexandra Schlechter, Berlin, Germany.

25. 6. 1926.

My dear Mr. Ames!

Many thanks for your kind letter from May 29<sup>th</sup>

As I saw that you would have liked to continue the exchange of Costa-Rica duplicates, I have given your letter to the Botanical Museum from where they have written to you directly. I hope they will try to fulfill your wishes. Your letter I got back only to-day, so I can only now answer it.

Of the New-Guinea Orchids I have got many a packet lying, some of them have got tickets, some not. Until now I was afraid to touch them and to make perhaps a mess between them but after summer-vacation (in July) I will try to find out what was not sent to you yet and try to do my best to satisfy you. Doubtlessly many a parcel of duplicates will be lost for meeting of Dr. Schlechter's determinations,



to them. This work with the duplicates I will have to do as soon, as I ~~will~~ have returned to Berlin, because I am not able to keep our rooms for myself. The small sum of money the state gives to me is nothing to live on and to bring two children up. Being a Russian without German education I have got it much harder yet.

I am very, very glad to hear the first tracings reached you safely and have found your approval, I hope by now you have received the second letter with the rest of the drawings. I am happy, having been able to do something for you too.

With my very best wishes for you and your family

Yours truly

A. Schlechter.

28.10.1927.

Dear Mr Ames!

We want now to  
look the New-Guinea Orchid-  
publications through and I would  
be glad to hear soon from  
you what <sup>(series)</sup> you have got already  
from Dr. Schlechter and what  
you want to have yet. Did you  
get the publications you wanted  
me to send you?

With best wishes for Easter  
to you and Mrs Ames  
Yours sincerely  
A. Schlechter



Absender: *H. Schleiermacher*

Wohnort: *Berlin-Schönberg*

Straße, Hausnummer,  
Gebäudeteil, Stodwert

*Neue Culmburgi. 5. a*

Postkarte

FRANKFURT  
FRÜHJAHR-S-MERK  
27-30. MÄRZ



35

*Mr. James Ames*

*225 Bay State Road*

*Boston (Mass.).*

in

*U. S. A.*

Straße, Hausnummer,  
Gebäudeteil, Stodwert



C 154 Din 476



Index of species specially mentioned.

- Platanthera guatemalensis* S.  
*Habenaria dippleura* S.  
     " *Jimenezii* S.  
     " *latipetala* S.  
     " *platanthetoides* S.  
     " *Quinquifila* S.  
     " *spithamea* S.  
     " *tetianema* S.  
*Pogonia debilis* S.  
     " *nitida* S.  
*Vanilla Pfaviana* Reichb. f.  
     " *Pittierii* S.  
*Sobralia Bletiae* Reichb. f.  
     " *epiphytica* S.  
     " *Fenzliana* Reichb. f.  
     " *labiata* Warsc. & Reichb. f.  
     " *lepida* Reichb. f.  
     " *S. Lindleyana* Reichb. f.  
     " *Macrophylla* Reichb. f.  
     " *pleiantha* S.  
     " *toseo-alba* Reichb. f.  
     " *suaveolens* Reichb. f.  
     " *Warscewiczii* Reichb. f.  
*Elleanthus Brenesii* S.  
     " *glaucophyllus* S.  
     " *hymenophorus* Reichb. f.  
     " *laxus* S.  
     " *Tonduzii* S.  
*Epilyna Jimenezii* S.  
*Pseudocentrum Hoffmannii* Reichb. f.  
*Solenocentrum costaricense* S.  
*Stenoptera costarecensis* S.  
*Cranichis guatemalensis* S.  
     " *nigrescens* S.  
     " *Pittierii* S.  
     " *C. reticulata* S.  
     " *subcordata* S.  
*Ponthieva parvula* S.  
     " *pulchella* S.  
*Pelexia guatemalensis* S.  
     " *longipetiolata* (Reichb. f.) S.  
*Spiranthes aguatatensis* Reichb. f.  
     " *assurgens* Reichb. f.  
     " *Bradei* S.  
     " *Brenesii* S.  
     " *cobanensis* S.  
     " *ensifolia* Reichb. f.  
     " *gyttersa* Reichb. f.  
     " *hondufensis* S.  
     " *nutantiflora* S.  
     " *prasophylla* Reichb. f.  
     " *epiphytica* S.  
     " *pulchra* S.  
     " *acceptrodes* Reichb. f.  
     " *thelymitra* Reichb. f.  
     " *Smithii* Reichb. f.  
     " *Richardiana* S.  
     " *Tuerckheimii* S.  
     " *Wercklei* S.  
*Sauriglossum nigticans* S.  
*Physurus calophylla* Reichb. f.  
     " *claviger* Reichb. f.  
     " *humidicola* S.  
     " *Lehmannii* S.  
     " *loxoglottis* Reichb. f.  
     " *luniferus* S.  
     " *nigrescens* S.  
     " *stictophylla* S.  
     " *tridax* Reichb. f.  
     " *trilobatus* S.  
     " *Tuerckheimii* S.  
*Microstylis acianthoides* S.  
     " *Adolphi* S.  
     " *blephariglottis* S.  
     " *brachyrrhynchus* Reichb. f.  
     " *Carpiterae* S.  
     " *cordata* Reichb. f.  
     " *crispifolia* Reichb. f.  
     " *Ehrenbergii* S.  
*Microstylis hastilabia* R. f.  
     " *Javesiae* R. f.  
     " *lagotis* R. f.  
     " *lepanthifolia* S.  
     " *linguella* R. f.  
     " *microtoides* S.  
     " *minutiflora* S.  
     " *pandurata* S.  
     " *Pittieri* S.  
     " *similima* R. f.  
     " *Tonduzii* S.  
     " *Tuerckheimii* S.  
     " *Wercklei* S.  
*Liparis Andochilus* S.  
     " *arnoglossophylla* R. f.  
     " *Wendlandii* R. f.  
*Scaphosepalum alasmatopus* S.  
     " *panamense* S.  
     " *Pittieri* S.  
*Masdevallia astuta* R. f.  
     " *attenuata* R. f.  
     " *chontalensis* R. f.  
     " *cyathogastra* S.  
     " *diantha* S.  
     " *ecaudata* S.  
     " *flaveola* R. f.  
     " *guatemalensis* S.  
     " *Johannis* S.  
     " *lata* R. f.  
     " *Livingstoneana* Roez1 & R. f.  
     " *marginella* R. f.  
     " *odontochila* S.  
*Cryptophoranthus gracilentus* (R. f.) Rolfe  
*Stelis aemula* S.  
     " *Bermoulli* S.  
     " *bidentata* S.  
     " *Bourgeauri* S.  
     " *Bradei* S.  
     " *Bruchmuelleri* R. f.  
     " *Carioi* S.  
     " *chiriquensis* S.  
     " *cinerea* S.  
     " *costaricensis* S.  
     " *cleistogama* S.  
     " *colloglossa* S.  
     " *confusa* S.  
     " *conmixta* S.  
     " *Cooperi* S.  
     " *costaricensis* R. f.  
     " *curvata* S.  
     " *deceptans* S.  
     " *effusa* S.  
     " *fulva* S.  
     " *Endresii* R. f.  
     " *glossula* R. f.  
     " *guatemalensis* S.  
     " *hymenantha* S.  
     " *Jimenzii* S.  
     " *leucopogon* R. f.  
     " *Liebmannii* R. f.  
     " *Maxonii* S.  
     " *microchila* S.  
     " *microstigma* R. f.  
     " *microtis* R. f.  
     " *nutantiflora* S.  
     " *obscurata* R. f.  
     " *ovatilabia* S.  
     " *oxypetala* S.  
     " *panamensis* S.  
     " *pardipes* R. f.  
     " *longicuspis* S.  
     " *rhodochila* S.  
     " *rubens* S.  
     " *sarcodantha* S.  
     " *tenuissima* S.  
     " *Tonduzii* S.  
     " *Tuerckheimii* S.



- |   |                                    |  |
|---|------------------------------------|--|
| <del>Stellis thecoglossa R.f.</del>         | <del>Scaphiglottis albida S.</del> | <del>Behrii Bth. (Ponera R.f.)</del>   |
| <del>Lepanthes acuminata S.</del>           | <del>" bilineata S</del>           | <del>" cuneata S.</del>                |
| <del>" blepharistes R.f.</del>              | <del>" "</del>                     | <del>" Jiminzii S</del>                |
| <del>" blephariglossa S.</del>              | <del>" "</del>                     | <del>" macroglossa S.</del>            |
| <del>" Bradei S</del>                       | <del>" "</del>                     | <del>" pauciflora S.</del>             |
| <del>" eciliata S</del>                     | <del>" "</del>                     | <del>" Purpusii S</del>                |
| <del>" elata R.f.</del>                     | <del>" "</del>                     | <del>" subulata S</del>                |
| <del>" erinacea R.f.</del>                  | <del>" "</del>                     | <del>" unguiculata S.</del>            |
| <del>" guatemalensis S.</del>               | <del>" "</del>                     | <del>" Tetramagestus gracilis S</del>  |
| <del>" humida R.f.</del>                    | <del>" "</del>                     | <del>" Hexisea imbricata R.f.</del>    |
| <del>" inaequalis S</del>                   | <del>" "</del>                     | <del>" Ponera striolata R.f.</del>     |
| <del>" Lindleyana R.f.</del>                | <del>" "</del>                     | <del>" Isochilus alataus S</del>       |
| <del>" Maxonii S.</del>                     | <del>" "</del>                     | <del>" Epidendrum abbreviatum S.</del> |
| <del>" oreocharis S.</del>                  | <del>" "</del>                     | <del>" aberrans S</del>                |
| <del>" Schiedeii R.f.</del>                 | <del>" "</del>                     | <del>" acrachordomium S</del>          |
| <del>" scopula S.</del>                     | <del>" "</del>                     | <del>" anoglossum S</del>              |
| <del>" stenophylla S.</del>                 | <del>" "</del>                     | <del>" Barbae R.f.</del>               |
| <del>" tipulifera R.f.</del>                | <del>" "</del>                     | <del>" Bourgeaurii S</del>             |
| <del>" Tuerckheimii S</del>                 | <del>" "</del>                     | <del>" caligarium R.f.</del>           |
| <del>" turialbas S</del>                    | <del>" "</del>                     | <del>" campylostalis R.f.</del>        |
| <del>" Wendlandi R.f.</del>                 | <del>" "</del>                     | <del>" cardiophorum S.</del>           |
| <del>" Wercklei S</del>                     | <del>" "</del>                     | <del>" centropetalum R.f.</del>        |
| <del>PlatysteleleXXXXXXX bulbinella S</del> | <del>" "</del>                     | <del>" cerinum S</del>                 |
| <del>Pleurithallis abbreviata S.</del>      | <del>" "</del>                     | <del>" chloropa R.f.</del>             |
| <del>" acutipetala S</del>                  | <del>" "</del>                     | <del>" criniferum R.f.</del>           |
| <del>" Bernoullii S</del>                   | <del>" "</del>                     | <del>" Deamii S.</del>                 |
| <del>" bifalcis S</del>                     | <del>" "</del>                     | <del>" delicatissimum R.f.</del>       |
| <del>" bilamellata R.f.</del>               | <del>" "</del>                     | <del>" dolichostachyum S.</del>        |
| <del>" cabellensis R. f.</del>              | <del>" "</del>                     | <del>" eburneum R.f.</del>             |
| <del>" cardiothallis R.f.</del>             | <del>" "</del>                     | <del>" exasperatum R.f.</del>          |
| <del>" Carioti S</del>                      | <del>" "</del>                     | <del>" favonis R.f.</del>              |
| <del>" cochlearis R.f.</del>                | <del>" "</del>                     | <del>" firmum R.f.</del>               |
| <del>" cobanensis S</del>                   | <del>" "</del>                     | <del>" flavovirens R.f.</del>          |
| <del>" Cogniauxiana S</del>                 | <del>" "</del>                     | <del>" flexicaule S.</del>             |
| <del>" dolichopus S</del>                   | <del>" "</del>                     | <del>" Gomezii S.</del>                |
| <del>" myriantha Lehm.&amp;Krzl.</del>      | <del>" "</del>                     | <del>" gratiosum R.f.</del>            |
| <del>" endotrachys R.f.</del>               | <del>" "</del>                     | <del>" Henrici S.</del>                |
| <del>" formosa S</del>                      | <del>" "</del>                     | <del>" incomptum R.f.</del>            |
| <del>" Fuegii R.f.</del>                    | <del>" "</del>                     | <del>" insulanum S</del>               |
| <del>" fulgens R.f.</del>                   | <del>" "</del>                     | <del>" inophlebium R.f.</del>          |
| <del>" Jungermanniodes S</del>              | <del>" "</del>                     | <del>" Karwinskii R.f.</del>           |
| <del>" incompta R.f.</del>                  | <del>" "</del>                     | <del>" Langlassii S.</del>             |
| <del>" Krameriana R.f.</del>                | <del>" "</del>                     | <del>" leucomelanum R.f.</del>         |
| <del>" lamprophylla S.</del>                | <del>" "</del>                     | <del>" madreasi S.</del>               |
| <del>" Lancilabris S</del>                  | <del>" "</del>                     | <del>" magnificum S.</del>             |
| <del>" lasiosepalala S</del>                | <del>" "</del>                     | <del>" majale S</del>                  |
| <del>" lat dritia R.f.</del>                | <del>" "</del>                     | <del>" melicosum R.f.</del>            |
| <del>" leucantha S</del>                    | <del>" "</del>                     | <del>" microdendron R.f.</del>         |
| <del>" listerophora S</del>                 | <del>" "</del>                     | <del>" myodes R.f.</del>               |
| <del>" lyroglossa S</del>                   | <del>" "</del>                     | <del>" nutens R.f.</del>               |
| <del>" microtatantha S</del>                | <del>" "</del>                     | <del>" nubium R.f.</del>               |
| <del>" muricata S</del>                     | <del>" "</del>                     | <del>" octomerioides S.</del>          |
| <del>" narangensis R.f.</del>               | <del>" "</del>                     | <del>" Oerstedii R.f.</del>            |
| <del>" nicaraguensis R.f.</del>             | <del>" "</del>                     | <del>" pachycarpum S.</del>            |
| <del>" Niederheimi S</del>                  | <del>" "</del>                     | <del>" pallens R.f.</del>              |
| <del>" ornata R.f.</del>                    | <del>" "</del>                     | <del>" palpigerum R.f.</del>           |
| <del>" oxyglossa S</del>                    | <del>" "</del>                     | <del>" panamense S.</del>              |
| <del>" pedicellaris S</del>                 | <del>" "</del>                     | <del>" pansamalae S</del>              |
| <del>" perpusilla S</del>                   | <del>" "</del>                     | <del>" papyriferum S</del>             |
| <del>" Pfavii R.f.</del>                    | <del>" "</del>                     | <del>" paranthicum R.f.</del>          |
| <del>" phyllocardia R.f.</del>              | <del>" "</del>                     | <del>" paucifolium S.</del>            |
| <del>" Pittieri S</del>                     | <del>" "</del>                     | <del>" pentadactylum R.f.</del>        |
| <del>" pyrsoden R.f.</del>                  | <del>" "</del>                     | <del>" pergamineum R.f.</del>          |
| <del>" Scheidii R.f.</del>                  | <del>" "</del>                     | <del>" Pfavii R.f.</del>               |
| <del>" Schulzeana S</del>                   | <del>" "</del>                     | <del>" physodes R.f.</del>             |
| <del>" segoviensis R.f.</del>               | <del>" "</del>                     | <del>" piestocaulon S</del>            |
| <del>" sororia S</del>                      | <del>" "</del>                     | <del>" piliferum R.f.</del>            |
| <del>" tenuissima R.f.</del>                | <del>" "</del>                     | <del>" platystima R.f.</del>           |
| <del>" Tonduzii S.</del>                    | <del>" "</del>                     | <del>" polychlamys S</del>             |
| <del>" villipenae R.f.</del>                | <del>" "</del>                     | <del>" pratense R.f.</del>             |
| <del>xerophila S</del>                      | <del>" "</del>                     | <del>" prostratum S</del>              |
| <del>Restrepia Dayana R.f.</del>            | <del>" "</del>                     | <del>" ptyclothece S</del>             |
| <del>" ujaensis R.f.</del>                  | <del>" "</del>                     | <del>" resectum R.f.</del>             |
| <del>" Xanthophthalma R.f.</del>            | <del>" "</del>                     | <del>" Roysseauae S</del>              |
| <del>Octaneria</del>                        | <del>" "</del>                     | <del>" sculptum R.f.</del>             |
| <del>Hartwegia Bergeriana S</del>           | <del>" "</del>                     | <del>" Schumannianum S.</del>          |
| <del>Coellia bella R.f.</del>               | <del>" "</del>                     | <del>" Selaginella S</del>             |
| <del>" guatemalensis R.f.</del>             | <del>" "</del>                     | <del>" simile S</del>                  |
| <del>Hexadesmia bifida R.f.</del>           | <del>" "</del>                     | <del>" singuliflorum S.</del>          |
| <del>" rhodoglossa R.f.</del>               | <del>" "</del>                     | <del>" spondiadum R.f.</del>           |
| <del>" sessilis R.f.</del>                  | <del>" "</del>                     | <del>" Stangeanum R.f.</del>           |
| <del>" stemopetala R.f.</del>               | <del>" "</del>                     | <del>" strophinx R.f.</del>            |



- Epidendrum subuliferum* S.  
 " *teres* R.f.  
 " *tenuiflorum* #.  
 " *tetraceros* R.f.  
 " *trachytheca* S.  
 " *turalvae* R.f.  
 " *urostachium* S.  
 " *verrucipes* S.  
 " *Vaeje* R.f.  
 " *Warszewiczii* R.f.  
 " *Wercklei* S.  
*Barkeria barkeri* R.f.  
 " *cyclotella* R.f.  
 " *nonchinensis* S.  
 " *Vanneriana* R.f.  
*Encyclia adenocaulon* S.  
 " *beligense* (R.f.) S.  
 " *meliosma* (R.f.) S.  
 " *panthera* (R.f.) S.  
 " *phymatoglossa* (R.f.) S.  
 " *ramonensis* (R.f.) S.  
*Diacrium bigebberosum* (R.f.) Hems.  
*Laelia wendlandii* R.f.  
*Schomburgkia chinodora* R.f.  
*Brassavola rhipalorrhichis* R.f.  
*Pinellia pumilio* (4.f.) S.  
*Myracylum trinasutium* R.f.  
 " *wendlandii* R.f.  
*Polystachya lineata* R.f.  
*Bulbophyllum aristata* (R.f.) Hems.  
 " *Oerstedii* R.f.  
 " *sordidum* (R.f.) Lindl.  
 " *vinosum* S.  
*Govenia deliciosa* R.f.  
*Mormones colossus* R.f.  
 " *lobulatum* Schltr.  
 " *Skinneri* R.f.  
 " *wendlandii* R.f.  
*Catasetum dilectum* R.f.  
 " *Oerstedii* R.f.  
 " *tricolor* R.f.  
 " *triodon* R.f.  
*Coeliopsis hyacinthosma* R.f.  
*Sieverskingia suavis* R.f.  
*Lacaena spectabilis* (Kl.) R.f.  
*Aceneta cryptodonta* R.f.  
*Houletia lansbergii* Lind. et R.f.  
*Polycynis barbata* R.f.  
 " *gratiosa* Endres et Rf  
*Gongora armeniaca* R.f.  
 " *aromatica* R.f.  
 " *cassidea* R.f.  
*Stanhopea calceolus* R.f.  
 " *cymbiformis* R.f.  
 " *gibbosa* R.f.  
 " *Mariae* R.f.  
 " *Schillariana* R.f.  
*Coryanthes picta* R.f.  
*Lycaste dowiana* Endres et R.f.  
 " *macropogon* R.f.  
*Xylobium brachypus* (R.f.) Hems.  
 " *stachyobium* (R.f.) Hems.  
*Kefersteinia costaricensis* S.  
 " *lactea* R.f.  
 " *stapelioides* R.f.  
*Warszewiczella aromaticum* R.f.  
 " *marginata* R.f.  
 " *wendlandii* (R.f.) S.  
*Maxillaria acervata* R.f.  
 " *caespitifica* R.f.  
 " *cobanensis* S.  
 " *stenostachys* R.f.  
 " *Endresii* R.f.  
 " *Friedrichsthalii* R.f.  
 " *heraldica* R.f.  
 " *inaudita* R.f.  
 " *microphyton* S.  
 " *nasuta* R.f.  
 " *pachyacron* S.  
 " *Reichenheimiana* R.f.  
 " *ringense* R.f.  
 " *Rousseauae* S.  
*Maxillaria stenostele* S.  
 " *turalvae* S.  
 " *vaginalis* R.f.  
*Canaridium Biolleyi* S.  
 " *costaricense* S.  
 " *imbricatum* S.  
 " *dendrobioides* S.  
 " *imbricatum* S.  
 " *Jimenezii* S.  
 " *minus* S.  
 " *nutantiflorum* S.  
 " *pulchrum* S.  
 " *Tonduzii* S.  
 " *Tuerckheimii* S.  
*Ornithidium anceps* R.f.  
 " *bvacteatum* S.  
 " *costaricense* S.  
 " *fulgens* R.f.  
 " *Paletum* R.f.  
 " *parvulum* S.  
 " *Tonduzii* S.  
*Trigonidium Seemanni* R.f.  
*Cryptocentrum calcaratum* S.  
*Trichocentrum caloceras* Endes et R.f.  
 " *capistratum* Lind. et R.f.  
 " *orthoplectron* R.f.  
 " *Pfavi* R.f.  
 " *porphyrio* R.f.  
 " *tigrinum* Lind. et R.f.  
*Rodriguezia leochilina* R.f.  
*Cohniella guekettoides* (R.f.) S.  
*Notylia Bernouillii* S.  
 " *pentachne* R.f.  
 " *Pittierii* S.  
*Aspasia papilionacea* R. f.  
*Trichopileatutorialvae* R. f.  
*Odontoglossum majale* R.f.  
 " *oliganthum* R.f.  
*Brassia chlorops* Endres et R.f.  
 " *Giseoudiana* R.f. et Warsc.  
 " *longissima* S.  
 " *neglecta* R.f.  
*Leochilus major* S.  
*Oncidium ansiferum* R.f.  
 " *bryolophotum* R.f.  
 " *Cabagrae* S.  
 " *ceribriferum* R.f.  
 " *confusum* R.f.  
 " *costaricense* S.  
 " *caesium* R.f.  
 " *guatemalense* S.  
*Johannis* S.  
 " *glossomytax* R.f.  
 " *megalous* S.  
 " *ochmatochilum* R.f.  
 " *Oerstedii* R.f.  
 " *holochrysum* R. f.  
 " *pelioграмма* Lind. et R.f.  
 " *Pittierii* S.  
 " *polycladium* R.f. ex Lindl.  
 " *salvadorensis* S.  
 " *stelligerum* R.f.  
 " *stenotis* R.f.  
 " *Tonduzii* S.  
 " *tricuspidatum* R.f.  
 " *turalbae* S.  
*Sigmatichilus guatemalensis* S.  
 " *hymenantha* S.  
*Cryptarrhena guatemalensis* S.  
*Ornithocephalus MEXXIX elaphas* R.f.  
 " *Tonduzii* S.  
 " *tripterus* S.  
 " *xiphochilus* S.  
*Telipogon Biolleyi* S.  
*Lockhartia amoena* Endres et R.f.  
 " *chiriquiensis* S.  
 " *costaricensis* S.  
 " *micrantha* R.f.  
 " *mirabilis* R.f.  
 " *Oerstedii* R.f.  
 " *Pittierii* S.  
 " *robusta* S.  
*Dichaeopsis brachypoda* (R.f.) S.  
 " *Oerstedii* (R.f.) S.  
 " *Epithecis* S.  
 " *trulla* (R.f.) S.